

# Terminal blocks

## Catalogue 1

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### Terminal blocks

Universal range

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Application range

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Installation

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Standards and definitions

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### Appendix

**Index**

Index Type / Index Order No.  
Addresses worldwide

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## Extra efficiency in planning, installation and operation

### Klippon® Connect provides you with added value at all stages

Panels are key elements of many industrial applications. They transmit signals, control data and distribute power – sometimes under the most adverse of conditions, such as vibrations, dust, cold or extreme heat. What is more, they have to be individually designed and built to suit the requirements and the industries they will be used in. All of the steps in the panel building process are key to increasing efficiency in the long term and exploiting potential for optimisation.

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from planning through installation to operation. The result is solutions that support products and processes to offer you added value at all stages. Klippon® Connect, our terminal block range, is the best example of this, given that it is another pioneering solution in the field of industrial connectivity.

#### **Our promise**

With Klippon® Connect, you benefit from productivity gains throughout the entire panel building process. These include time-saving planning and project planning, faultless wiring and faster marking operations, for example.



## Achieving greater productivity one step at a time

Every panel building process starts at the planning stage. It is here that the foundations for optimum set-up are laid. Once there is a plan in place, preparatory work and installation can start. The panel components are marked, wired and checked. The fully installed panel can then be put into operation. To ensure that you achieve the greatest possible level of efficiency in this process, we have continuously examined the optimisation potential of the individual phases of planning, installation and operation and how they interlink with one another. The result is innovative products and services that support you at all the stages of the panel building process.

### Up to 75 percent engineering

- Faster planning with the Weidmüller Configurator
- Error-free configuration through compatibility checks on products and accessories
- High level of transparency throughout the entire process thanks to linked data models
- Easy creation of product documentation



### High wiring density with maximum ease of installation

- Noticeably faster wiring with PUSH IN technology
- All product functions can be clearly distinguished
- Flexible potential distribution thanks to various cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

### Higher availability during operation in the long term

- Simpler testing procedure thanks to integrated test point
- Hot rewiring possible without special tools thanks to PUSH IN technology with pushers
- Gas-tight and vibration-resistant connections for interference-free operation
- Flexible, simple modification and extension

# Solutions for more productivity

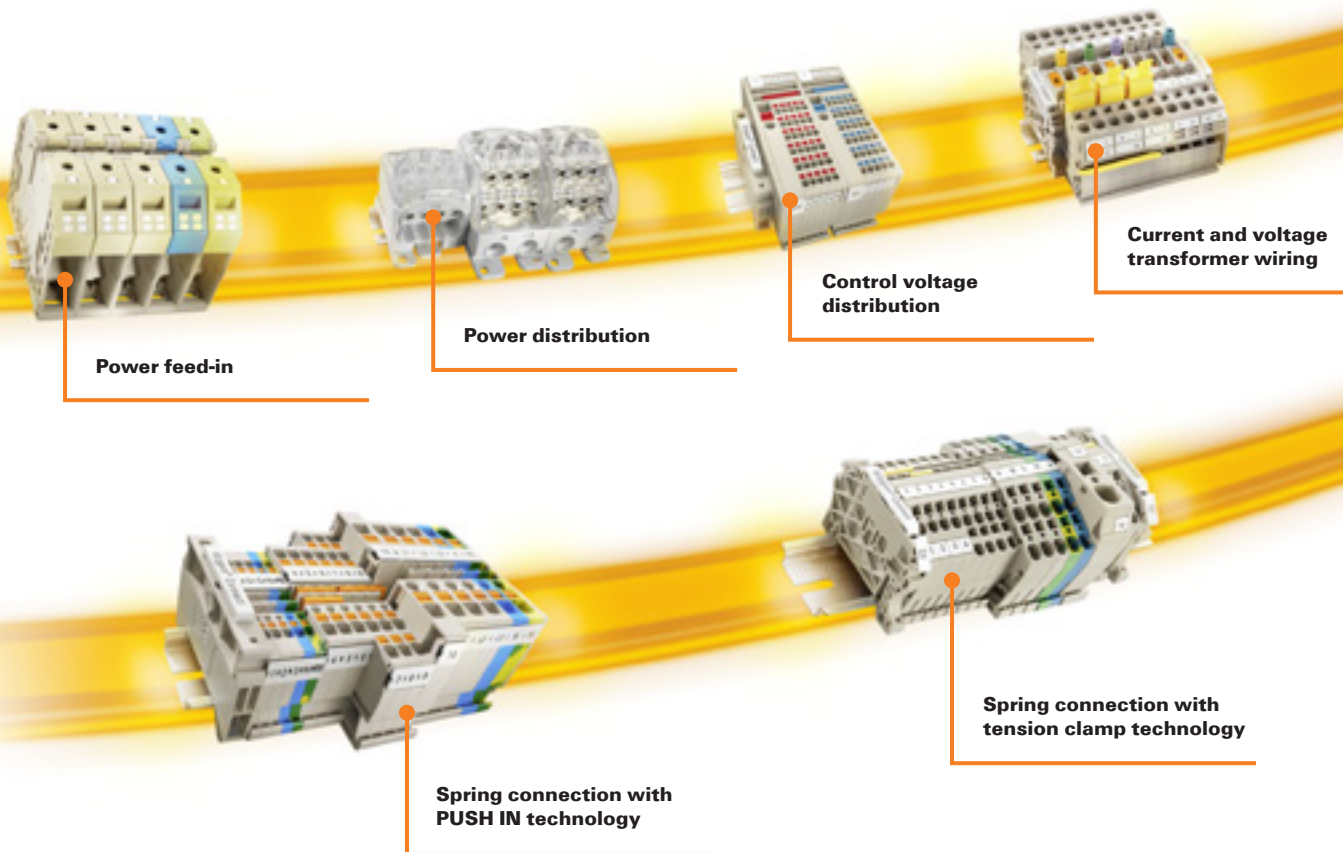
## Extremely flexible process design – with Klippon® Connect

Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable.

Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal range. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety. And when tailored configuration is required, our customer-specific assembly service is available.

### Our promise

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your panel applications.



Building installation wiring

Shielding and earthing

DCS marshalling

Signal wiring

Screw connection with stud technology

Screw connection with clamping yoke technology

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

**The application range -**  
application-specific and tailor-made

**The universal range -**  
flexible and versatile to use

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

# From intelligent item data to the finished panel

## Weidmüller Configurator: simpler configuration and ordering

Digital information is becoming increasingly important during product development. Starting with the product selection, configuration and creation of a virtual prototype through to the automated production and installation, end-to-end available data models are a cornerstone of digital production. This requires standardised product data and interfaces between the energy tools networked together and integration into the corporate IT environment. The "Weidmüller Configurator" software forms the ideal basis for end-to-end transparent panel planning.

### Our promise

The Weidmüller Configurator speeds up panel planning by up to 70 percent, thus increasing productivity. You can benefit from high levels of data transparency and availability throughout the entire engineering process.

### Integrated digital planning – quick and simple

#### Provision of intelligent item data

The product data from the software provide comprehensive support in configuration and can be fully integrated into all conventional engineering tools. The complete data transparency and availability across all process phases are a basic prerequisite for the implementation of Industry 4.0 in future panel building.

#### Simple and secure labelling

The Weidmüller Configurator enables virtually labelling of your whole project. Thanks to direct interfaces to CAD programs and the M-Print® PRO labelling software, you can plan and label your components in a single step.

#### Always the right configuration

The automatic filter function provides active assistance in putting together terminal blocks by preventing and automatically correcting incorrect assemblies. You can only add selected fitting accessories to your current configuration. This makes planning easier and saves a huge amount of time. At the same time, you can benefit from seamless documentation of your assembled terminal rails.

#### Fast and simple product enquiry

Once you have found your perfect combination, you can enquire about the components directly from the software – either as individual components or as a pre-assembled complete solution on a DIN rail which then only needs to be fitted to the mounting plate.

**Get started online now!**

The Weidmüller Configurator makes configuration easy. Visit our website and make the most of the wide range of benefits for your engineering process.

Full information on the software can be found here:  
[www.weidmueller.com/configurator](http://www.weidmueller.com/configurator)

# Tailor-made terminal strips

## Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.

From ready-specified strips that are immediately available from stock, through simple configurations with a short delivery time, to complex solutions with a high engineering requirement, we can respond flexibly to your needs. Simply talk to our sales staff, so that, together, we can head off in the right direction for your project.

### Our promise

We believe that custom work is the perfect interaction between the product and the service. Both of these elements combine to form a single unit that guarantees the very best quality and thus satisfied customers, even when it comes to the terminal strips.

Working  
towards  
a customer-  
specific  
solution

1.

#### Defining the task

We support you right from the start:

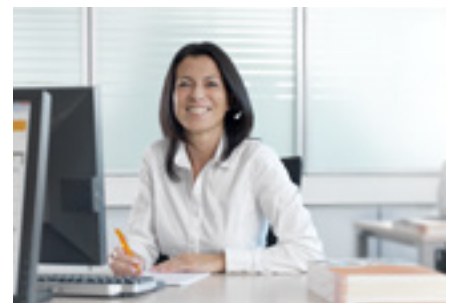
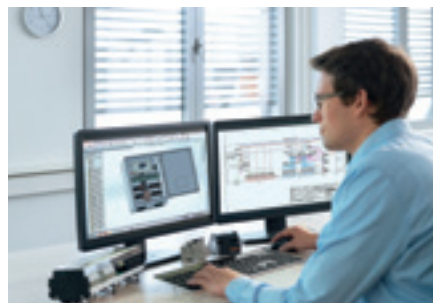
- Actual analysis
- Project definition

2.

#### Advice

Individually to suit your needs:

- Over the phone and on site
- Application-specific product selection
- In-depth dialogue





**Product and service – perfectly coordinated to one another**

However your product is designed, at the end of the day you can rest assured that you are using the best solution. Simply tell us what you would like, and we will make it happen:

- Selection of materials for the terminal rails: steel, stainless steel, aluminium or plastic
- Machining the terminal rail: cutting, punching and attaching a wide range of different mounting aids
- Assembling the terminal strips with snap-on components (terminal blocks and electronic products, as well as additional products from other manufacturers as required)
- Establishing cross-connections
- Fitting standard conductors
- Marking terminals, devices, conductors and cables



3.

**Application-specific development**

The foundation for your success:

- Joint solution development
- Bespoke configuration
- Sample production

4.

**Production, logistics, documentation**

Everything from a single source:

- Production technology
- Inventory management
- Comprehensive documentation as per the customer's requirements



**Service connects**

You will find information about other services from Weidmüller at:

[www.weidmueller.com/service](http://www.weidmueller.com/service)



# Universal range

<b>Universal range</b>	<b>Connection technologies</b>	<b>A.2</b>
	<b>Spring connection with PUSH IN technology (A-Series)</b>	<b>A.4</b>
	Feed-through terminal blocks	A.6
	PE terminal blocks	A.14
	Test-disconnect terminal blocks	A.18
	Pluggable terminal blocks	A.22
	Accessories	A.26
	<b>Spring connection with PUSH IN technology (P-Series)</b>	<b>A.28</b>
	Feed-through terminal blocks	A.30
	PE terminal blocks	A.38
	Fuse terminal blocks	A.44
	Test-disconnect terminal blocks	A.46
	Accessories	A.50
	<b>Spring connection with tension clamp technology (Z-Series)</b>	<b>A.54</b>
	Feed-through terminal blocks	A.56
	PE terminal blocks	A.90
	Fuse terminal blocks	A.108
	Test-disconnect terminal blocks	A.120
	Pluggable terminal blocks	A.124
	Terminal blocks with electronic components	A.146
	Accessories	A.154
	<b>Screw connection with clamping yoke technology (W-Series)</b>	<b>A.162</b>
	Feed-through terminal blocks	A.164
	PE terminal blocks	A.192
	Fuse terminal blocks	A.204
	Test-disconnect terminal blocks	A.224
	Pluggable terminal blocks	A.234
	Terminal blocks with electronic components	A.242
	Mini terminal blocks for enclosure wiring	A.248
	Accessories	A.254
	<b>Screw connection with stud technology</b>	<b>A.264</b>
	Feed-through terminal blocks	A.266
	Accessories	A.276

## Application-oriented wiring

### Klippon® Connect always offers the right connection technology

Terminal blocks have to withstand a great deal – day in and day out. In addition to being robust and reliable, they have to be clearly arranged and easy to use. This is the only way to prevent incorrect wiring and ensure reliably safe connections. Any choice of connection technology very much depends on the application in question.

#### Our promise

Whether you opt for a screw variant or a spring variant, our proven Weidmüller connection systems and the comprehensive Klippon® Connect product range allow you to complete all applications in the panel efficiently and flexibly.



#### Spring connection with PUSH IN technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

##### Connection sizes:

0.13 mm<sup>2</sup> to 10 mm<sup>2</sup>

##### Connection principle:

With the PUSH IN connection technology, the force on the conductor is generated by a pressure spring made of high-quality, acid-resistant stainless steel. The spring sits in a cage and is automatically opened upon connection. The proven Weidmüller system, which separates the mechanical and the electrical function, ensures both high rated data and high conductor pull-out forces.

##### Application and areas of use:

PUSH IN technology offers the decisive handling benefit wherever solid conductors or conductors with wire-end ferrules are used. And that is both in machine construction and in building installation.

#### Spring connection with tension clamp technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

##### Connection sizes:

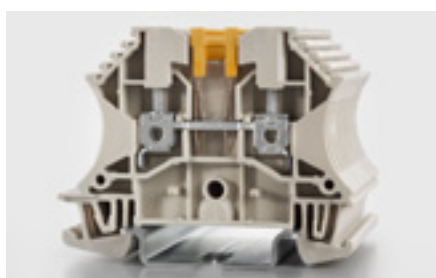
0.05 mm<sup>2</sup> to 35 mm<sup>2</sup>

##### Connection principle:

The tension clamp system works in a similar way to the proven clamping yoke. The tension clamp made of high-quality, acid-resistant stainless steel pulls the conductor against the galvanised copper current bar. The surface-treated current bar permanently provides a low level of contact resistance and a high level of corrosion resistance.

##### Application and areas of use:

Its fast wiring times and vibration resistance make tension clamp technology an ideal connection solution in industrial zones such as machine construction, the automotive sector, railway construction and shipbuilding.



### Screw connection with clamping yoke technology

The patented Weidmüller clamping yoke system sets standards. The fact that it is simple to handle makes clamping yoke technology the universal screwed connection solution for all conductor types.

#### Connection sizes:

0.05 mm<sup>2</sup> to 240 mm<sup>2</sup>

#### Connection principle:

The clamping yoke system combines the specific properties of steel and copper. While the clamping yoke and clamping screw are made of hardened steel, the current is made of copper or high-quality copper alloy. The clamping yoke pulls the conductor to be connected against the current bar. Our clamping yoke system is maintenance-free and guarantees vibration-resistant connections.

#### Application and areas of use:

The Weidmüller clamping yoke connection is designed to meet the highest demands, such as those encountered in power generation, power measurement, process technology and even switchgear construction.



### Screw connection with stud technology

With stud technology, you are relying on an affordable and, at the same time, a safe and robust connection solution for applications in particularly harsh conditions.

#### Connection sizes:

10 mm<sup>2</sup> to 300 mm<sup>2</sup>

#### Connection principle:

Cable lugs crimped onto the ends of the conductor ensure a secure connection. The cable lugs are put on between the washer on the clamp support and the thrust washer on the stud. The reverse sides of the cable lugs are positioned against one another. Tightening the hexagon nut causes the cable lug flaps to press against one another – thereby creating a secure contact.

#### Application and areas of use:

Our stud terminals are particularly suitable for use within traffic engineering, since all stud terminals are tested according to International Railway Industry Standards.

## Fast wiring. But safe.

### Klippon® Connect enhances your efficiency with PUSH IN technology

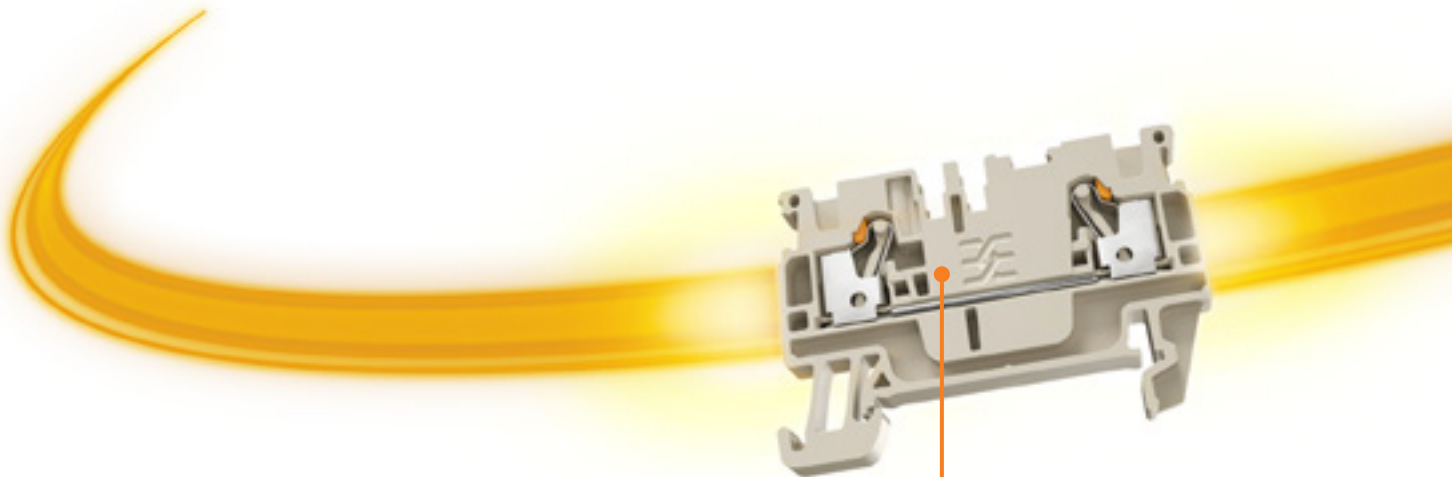
Increase your efficiency during installations without compromising on safety. The innovative PUSH IN technology reduces connection times for solid conductors and conductors with crimped-on wire-end ferrules by up to 50 percent compared to tension clamp terminals. The conductor is simply inserted into the contact point as far as the stop and that's it – you have a safe, gas-tight connection. Even stranded-wire conductors can be connected without any problem and without the need for special tools.



Safe and reliable connections are crucial, especially under harsh conditions, such as those encountered in the process industry. PUSH IN technology guarantees optimal contact security and ease of handling, even in demanding applications.

#### Our promise

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.



#### Safety

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

**Flexibility**

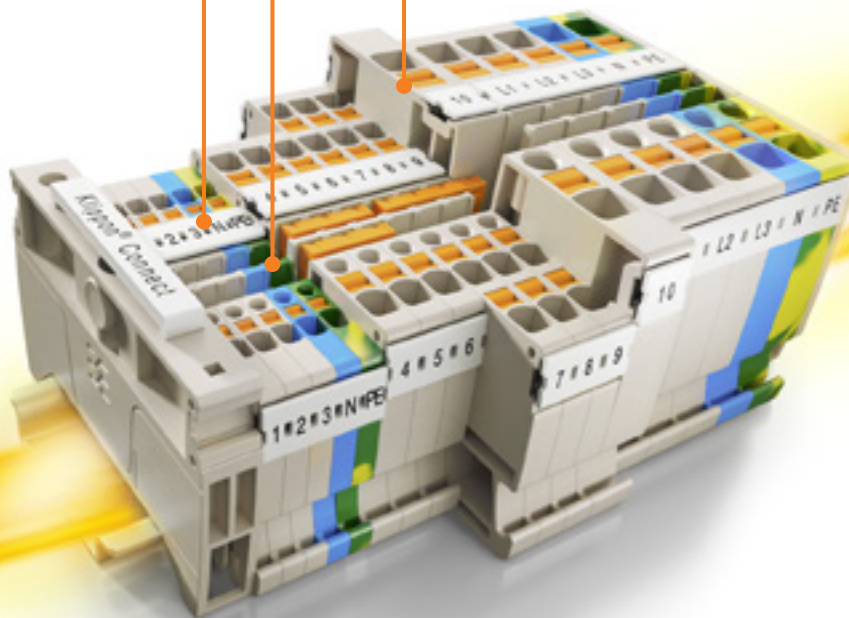
- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

**Time saving**

- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

**Space-saving design**

- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail

**Overview**

Thanks to the extensive choice of accessories and the different cross-connection options, our PUSH IN terminal blocks are the perfect solution for every requirement.

**Functional transparency:**

All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

**Ready for automation:**

A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.

**Safely prevent incorrect wiring:**

The pusher for releasing the contacts ensures safe contact protection.

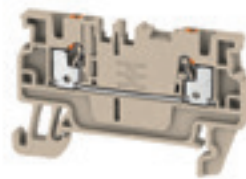


## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

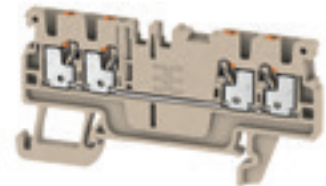
#### A2C 1.5

1.5 mm<sup>2</sup>



#### A4C 1.5

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5
<b>17.5 / 1.5</b>
<b>0.14...1.5</b>

3.5 x 67.5 x 33.5
<b>17.5 / 1.5</b>
<b>0.14...1.5</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2C 1.5	100	1552790000
A2C 1.5 BL	100	1552820000

Type	Qty.	Order No.
A4C 1.5	100	1552690000
A4C 1.5 BL	100	1552700000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	20	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2C 1.5		50	1552600000
AEP 2C 1.5 BL		50	1552610000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MHR		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	20	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 4C 1.5		50	1552640000
AEP 4C 1.5 BL		50	1552650000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MHR		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue

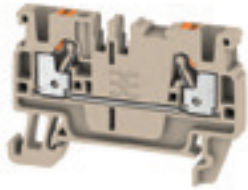
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



A2C 2.5

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

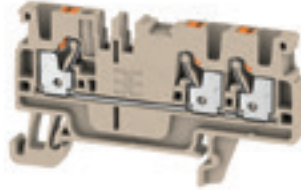
Type	Qty.	Order No.
A2C 2.5	100	1521850000
A2C 2.5 BL	100	1521880000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

A3C 2.5

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 2.5	100	1521740000
A3C 2.5 BL	100	1521780000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

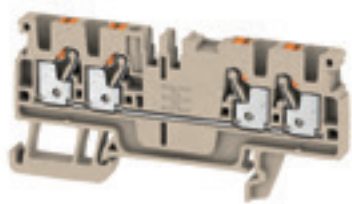
All MultiMark variants (MM) = strip markers

## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

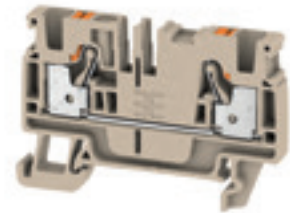
#### A4C 2.5

2.5 mm<sup>2</sup>



#### A2C 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 36.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

6.1 x 60 x 39.5	
<b>32 / 4</b>	
<b>0.5...4</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
32			
4			
	8 kV / 3		
	A4 / V-0		
Rated connection			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
12 / 0.6 x 3.5 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A4C 2.5	100	1521690000
A4C 2.5 BL	100	1521700000

Type	Qty.	Order No.
A2C 4	100	2051180000
A2C 4 BL	100	2051210000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MHR		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
AEP 2C 4		50	2051680000
AEP 2C 4 BL		50	2051690000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MHR		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

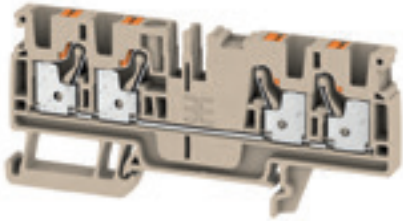
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A4C 4

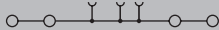
4 mm<sup>2</sup>



6.1 x 87.5 x 39.5

32 / 4

0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
		8 kV / 3	
		A4 / V-0	

**Rated connection**

0.5...4 / 0.5...4

0.5...4 / 0.5...4

12 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A4C 4	50	2051500000
A4C 4 BL	50	2051520000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
AEP 4C 4		20	2051900000
AEP 4C 4 BL		20	2051910000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MI-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

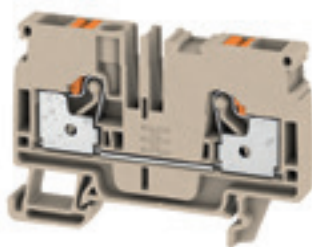
All MultiMark variants (MM) = strip markers

## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

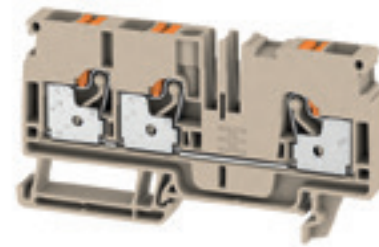
#### A2C 6

6 mm<sup>2</sup>



#### A3C 6

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 66.5 x 45.5
<b>41 / 6</b>
<b>0.5...6</b>

8.1 x 84.5 x 45.5
<b>41 / 6</b>
<b>0.5...6</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
41			
6			
	8 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
41			
6			
	8 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2C 6	50	<b>1992110000</b>
A2C 6 BL	50	<b>1991790000</b>

Type	Qty.	Order No.
A3C 6	50	<b>1991820000</b>
A3C 6 BL	50	<b>1991830000</b>

#### Accessories

Pluggable cross-connection	
	2-pole
	4-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
Test plug	
	Standard
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 6N/2	41 A	60	<b>1985740000</b>
ZQV 6N/4	41 A	60	<b>1985780000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
End plate			
AEP 2C 6		50	<b>1991970000</b>
AEP 2C 6 BL		50	<b>1991950000</b>
End bracket			
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
Test adapter			
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 6 MHR		50	<b>1991930000</b>
Test plug			
PS 2.0 MC		20	<b>0310000000</b>
Screwdriver			
SDIL 1,0x5,5x125		1	<b>9042130000</b>
Identification systems			
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Type	current	Qty.	Order No.
ZQV 6N/2	41 A	60	<b>1985740000</b>
ZQV 6N/4	41 A	60	<b>1985780000</b>
End plate			
AEP 3C 6		50	<b>1991940000</b>
AEP 3C 6 BL		20	<b>1991910000</b>
End bracket			
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
Test adapter			
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 6 MHR		50	<b>1991930000</b>
Test plug			
PS 2.0 MC		20	<b>0310000000</b>
Screwdriver			
SDIL 1,0x5,5x125		1	<b>9042130000</b>
Identification systems			
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

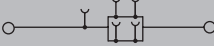
ALO 6

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9 x 77 x 45,5
<b>41 / 6</b>
<b>0.5...6</b>



### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
41			
6			
	8 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ALO 6	20	1991780000
ALO 6 BL	20	2065120000

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	20	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

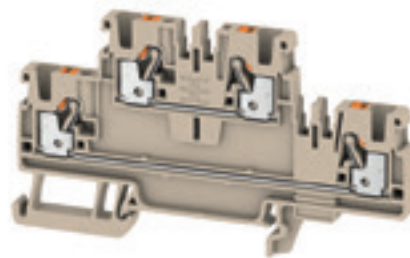
All MultiMark variants (MM) = strip markers

## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks

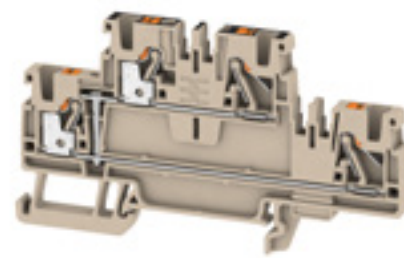
#### A2T 2.5

2.5 mm<sup>2</sup>



#### A2T 2.5 VL

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 90 x 50.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 90 x 50.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2T 2.5	50	1547610000
A2T 2.5 BL	50	1547620000

Type	Qty.	Order No.
A2T 2.5 VL	50	1547650000
A2T 2.5 VL BL	50	1547660000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	blue
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

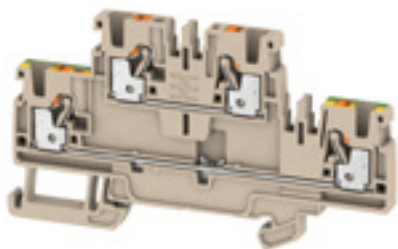
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

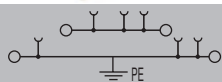
All MultiMark variants (MM) = strip markers

A2T 2.5 FT-PE

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
			8 kV / 3
			A3 / V-0

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 FT-PE	50	1547640000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

A

A2C 1.5 PE

1.5 mm<sup>2</sup>



A4C 1.5 PE

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
/ 1.5	
0.14...1.5	

3.5 x 67.5 x 33.5	
/ 1.5	
0.14...1.5	

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5			
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5			
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

<b>Rated connection</b>	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

<b>Rated connection</b>	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1	
8 / 0.4 x 2.0 mm	

<b>Note</b>
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Approval in progress
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Approval in progress
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Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 1.5 PE	50	1552680000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A4C 1.5 PE	50	1552660000

Accessories

<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	1-pole 3-pole 5-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
AEP 2C 1.5		50	1552600000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
AEP 4C 1.5		50	1552640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



A2C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2C 2.5 PE	50	1521680000

Type	current	Qty.	Order No.
AEP 2C 2.5		50	1514400000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

All MultiMark variants (MM) = strip markers

A3C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 2.5 PE	50	1521670000

Type	current	Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

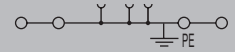
All MultiMark variants (MM) = strip markers

A4C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 77.5 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A4C 2.5 PE	50	1521540000

Type	current	Qty.	Order No.
AEP 4C 2.5		50	1521530000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
WS 10/5 M MC NE WS	720		1792000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

All MultiMark variants (MM) = strip markers

Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

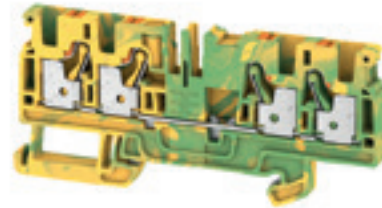
**A**

**A2C 4 PE**

**4 mm<sup>2</sup>**

**A4C 4 PE**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 39.5	
/ 4	
0.5...4	

6.1 x 87.5 x 39.5	
/ 4	
0.5...4	

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
4			
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
4			
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

<b>Rated connection</b>	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

<b>Rated connection</b>	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

<b>Note</b>
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Approval in progress
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Approval in progress
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**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A2C 4 PE	50	2051360000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
A4C 4 PE	50	2051560000

**Accessories**

<b>End plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	1-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
AEP 2C 4		50	2051680000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MHR		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/6 PLUS MC NE WS		1000	1011320000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
AEP 4C 4		20	2051900000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MHR		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/6 PLUS MC NE WS		1000	1011320000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

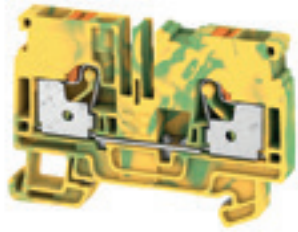
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

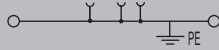
All MultiMark variants (MM) = strip markers

**A2C 6 PE**

**6 mm<sup>2</sup>**



8.1 x 66.5 x 45.5  
/ 6  
0.5...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6			
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

**Rated connection**

0.5...6 / 0.5...6

0.5...6 / 0.5...6

12 / 1.0 x 5.5 mm

Approval in progress

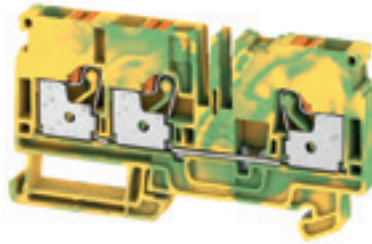
Type	Qty.	Order No.
A2C 6 PE	50	1991810000

Type	current	Qty.	Order No.
AEP 2C 6		50	1991970000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 6 MI-R		50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS-A 8/8 MM WS		500	2448930000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000

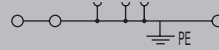
All MultiMark variants (MM) = strip markers

**A3C 6 PE**

**6 mm<sup>2</sup>**



8.1 x 84.5 x 45.5  
/ 6  
0.5...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6			
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

**Rated connection**

0.5...6 / 0.5...6

0.5...6 / 0.5...6

12 / 1.0 x 5.5 mm

Approval in progress

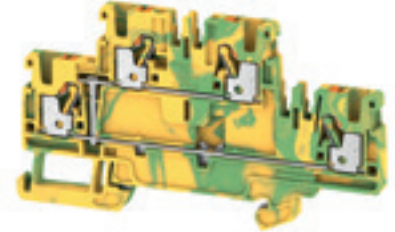
Type	Qty.	Order No.
A3C 6 PE	50	1991850000

Type	current	Qty.	Order No.
AEP 3C 6		50	1991940000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 6 MI-R		50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS-A 8/8 MM WS		500	2448930000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000

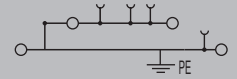
All MultiMark variants (MM) = strip markers

**A2T 2.5 PE**

**2.5 mm<sup>2</sup>**



5.1 x 90 x 50.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 PE	50	1547680000

Type	current	Qty.	Order No.
AEP 2T 2.5		20	1547690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

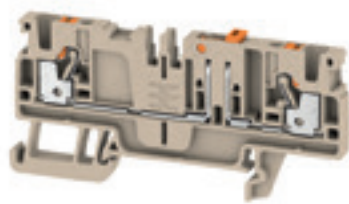
All MultiMark variants (MM) = strip markers

## Spring connection with PUSH IN technology (A-Series)

### Test-disconnect terminal blocks

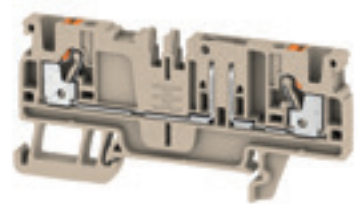
#### ADT 2.5 2C

2.5 mm<sup>2</sup>



#### ADT 2.5 2C W/O DTLV

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 37.65	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 77.5 x 36.5	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
	4 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
	4 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
	without isolator
Note	

Type	Qty.	Order No.
ADT 2.5 2C	50	1989800000
ADT 2.5 2C BL	50	1989810000

Type	Qty.	Order No.
ADT 2.5 2C W/O DTLV	50	1989930000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 M-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 M-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

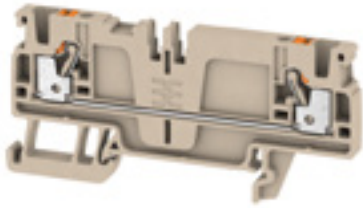
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

**A2C 2.5 /DT/FS**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
**24 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2C 2.5 /DT/FS	50	1989900000
A2C 2.5 /DT/FS BL	50	1989910000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

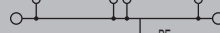
All MultiMark variants (MM) = strip markers

**A2C 2.5 PE /DT/FS**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
**/ 2.5**  
**0.14...2.5**



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
	/ 3		
	A3 / V-0		

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

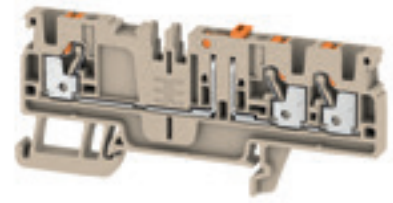
Type	Qty.	Order No.
A2C 2.5 PE /DT/FS	50	1989890000

Type	current	Qty.	Order No.
AEP 4C 2.5		50	1521530000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

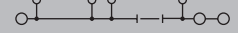
All MultiMark variants (MM) = strip markers

**ADT 2.5 3C**

**2.5 mm<sup>2</sup>**



5.1 x 84.5 x 37.65  
**20 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
	4 kV / 3		
	A3 / V-0		

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 2.5 3C	50	1989830000
ADT 2.5 3C BL	50	1989840000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 3C		50	1989970000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

## Spring connection with PUSH IN technology (A-Series)

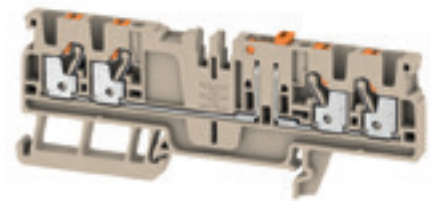
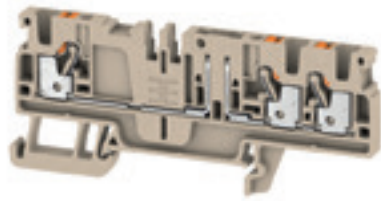
### Test-disconnect terminal blocks

#### ADT 2.5 3C W/O DTLV

2.5 mm<sup>2</sup>

#### ADT 2.5 4C

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 84.5 x 36.5	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 96 x 37.65	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
	4 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
	4 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
	without isolator
Note	

Type	Qty.	Order No.
ADT 2.5 3C W/O DTLV	50	<b>1989940000</b>

Type	Qty.	Order No.
ADT 2.5 4C	50	<b>1989860000</b>
ADT 2.5 4C BL	50	<b>1989870000</b>

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	3-pole
	5-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP DT 2.5 3C		50	<b>1989970000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
WS 10/5 M MC NE WS		720	<b>1792000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP DT 2.5 4C		50	<b>1989980000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
WS 10/5 M MC NE WS		720	<b>1792000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

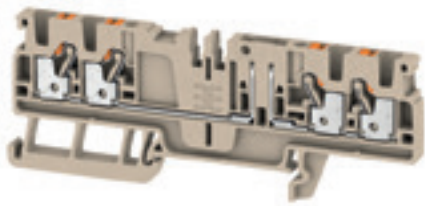
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

ADT 2.5 4C W/O DTLV

2.5 mm<sup>2</sup>



5.1 x 96 x 36.5  
20 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
20			
2.5			
		4 kV / 3	
		A3 / V-0	

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	1989950000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 4C		50	1989980000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

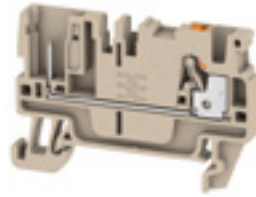
**Spring connection with PUSH IN technology (A-Series)**  
**Pluggable terminal blocks**

Universal range

A

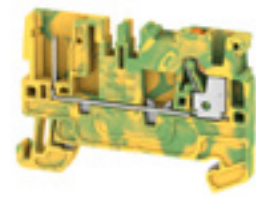
**APGTB 2.5 FT 2C/1**

**2.5 mm<sup>2</sup>**



**APGTB 2.5 PE 2C/1**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 55 x 36.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 55 x 36.5	
<b>/ 2.5</b>	
<b>0.14...2.5</b>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
800			
2.5			
	/ 3		
	A3 / V-0		
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

**Ordering data**

Version	
	dark beige
	blue
	green/yellow
Note	

Type	Qty.	Order No.
APGTB 2.5 FT 2C/1	100	1513970000
APGTB 2.5 FT 2C/1 BL	100	1513990000

Type	Qty.	Order No.
APGTB 2.5 PE 2C/1	50	1513870000

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Plug	
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
AEP 2C 2.5		50	1514400000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Plug			
APG 2.5/1		50	1513720000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

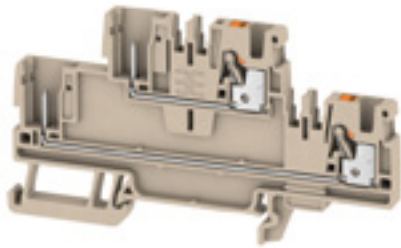
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

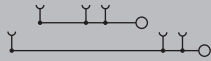


APGTB 2.5 2T 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

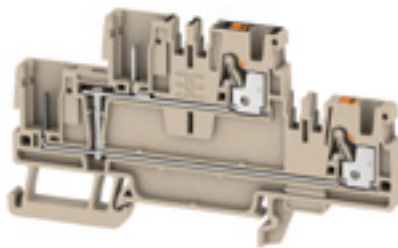
Type	Qty.	Order No.
APGTB 2.5 2T 4C/2	50	1548060000
APGTB 2.5 2T 4C/2 BL	50	1548070000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

APGTB 2.5 2T VL 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

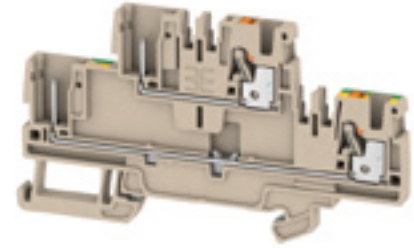
Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	1548140000
APGTB 2.5 2T VL 4C/2 BL	50	1548150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

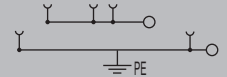
All MultiMark variants (MM) = strip markers

APGTB 2.5 2T FT-PE 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	1548130000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

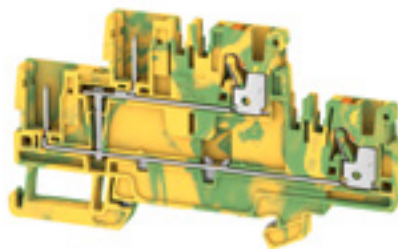
## Spring connection with PUSH IN technology (A-Series) Pluggable terminal blocks

Universal range

**A**

**APGTB 2.5 2T PE 4C/2**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 91 x 50.5	
/ 2.5	
0.14...2.5	

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800			
2.5			
	8 kV / 3		
	A3 / V-0		

Note	

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note	
	Approval in progress

### Ordering data

Version	
	dark beige
	blue
	green/yellow
Note	

Type	Qty.	Order No.
APGTB 2.5 2T PE 4C/2	50	1548160000

### Accessories

<b>Pluggable cross-connection</b>	2-pole 10-pole
<b>End plate</b>	dark beige Blue
<b>End bracket</b>	dark beige dark beige
<b>Plug</b>	
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
AEP 2T 2.5		20	1547690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

APG 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 16.5 x 42.5  
**24 / 2.5**  
**0.14...2.5**

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Note**

Approval in progress

### Ordering data

Version	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	

Type	Qty.	Order No.
APG 2.5/1	50	1513720000
APG 2.5/2	25	1513640000
APG 2.5/3	25	1513650000
APG 2.5/4	25	1513670000
APG 2.5/5	25	1513680000
APG 2.5/6	25	1513690000
APG 2.5/7	25	1513700000
APG 2.5/8	20	1513730000
APG 2.5/9	20	1513740000
APG 2.5/10	20	1513770000

**Note**

### Accessories

Coding
Cover
Interlock
Strain relief
Identification systems

Type	current	Qty.	Order No.
APGCE		50	1514490000
APGPC 2.5		50	1514500000
APGLE 2.5		25	2457570000
APGSR 2.5		25	2457580000
APGSR 2.5/4		25	2457590000
APGSR 2.5/8		25	2457600000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

Spring connection with PUSH IN technology (A-Series)  
Accessories - Electrical supply

Universal range

A

Cross-connections  
according to dimensions

ZQV 1.5N



Technical data	
Current / Current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
50-pole	

17.5 / 17.5			
Type	Qty.	Order No.	
ZQV 1.5/2	60	1985410000	
ZQV 1.5/3	60	1985480000	
ZQV 1.5/4	60	1985490000	
ZQV 1.5/5	20	1985500000	
ZQV 1.5/6	20	1985510000	
ZQV 1.5/7	20	1985520000	
ZQV 1.5/8	20	1985540000	
ZQV 1.5/9	20	1985560000	
ZQV 1.5/10	20	1985580000	
ZQV 1.5/20	20	1985600000	
ZQV 1.5/50	5	1985620000	
For terminal:			
A2C 1.5			
A3C 1.5			
A4C 1.5			
ALO 6			

ZQV 2.5N



24 / 24			
Type	Qty.	Order No.	
ZQV 2.5/2	60	1527540000	
ZQV 2.5/3	60	1527570000	
ZQV 2.5/4	60	1527590000	
ZQV 2.5/5	20	1527620000	
ZQV 2.5/6	20	1527630000	
ZQV 2.5/7	20	1527640000	
ZQV 2.5/8	20	1527670000	
ZQV 2.5/9	20	1527680000	
ZQV 2.5/10	20	1527690000	
ZQV 2.5/20	20	1527720000	
ZQV 2.5/50	5	1527730000	
For terminal:			
AC2 2.5			
A3C 2.5			
A4C 2.5			
ALO 6			
A2T 2.5 ...			
ADT 2.5 ...			
APGTB 2.5 ...			

ZQV 4N



32 / 32			
Type	Qty.	Order No.	
ZQV 4/2	60	1527930000	
ZQV 4/3	60	1527940000	
ZQV 4/4	60	1527970000	
ZQV 4/5	20	1527980000	
ZQV 4/6	20	1527990000	
ZQV 4/7	20	1528020000	
ZQV 4/8	20	1528030000	
ZQV 4/9	20	1528070000	
ZQV 4/10	20	1528090000	
ZQV 4/50	5	1528130000	
For terminal:			
AC2 4			
A3C 4			
A4C 4			

Cross-connections  
according to dimensions

ZQV 6N



Technical data	
Current / Current	A
Ordering data	
2-pole	
3-pole	
4-pole	

57 / 57			
Type	Qty.	Order No.	
ZQV 6N/2	60	1985740000	
ZQV 6N/3	60	1985760000	
ZQV 6N/4	60	1985780000	
For terminal:			
AC2 6			
A3C 6			
A4C 6			

Test adapter

**ATPG 1.5-10**

Start element with 3.5 mm width



<b>Dimensions</b>		
Width / Length / Height <sup>1)</sup>	mm	3.5 / 52
Stripping length	mm	
<b>Rated data</b>		
Rated voltage	V	250
Rated current	A	0.2
Rated cross-section	mm <sup>2</sup>	1.0
<b>Clamped conductors (H05V/H07V)</b>		
solid / stranded	mm <sup>2</sup>	0.5...1.0
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.0 / 0.5...1.0
<b>Ordering data</b>		
	1-pole	
	3-pole	
	5-pole	
	With snap-in pegs	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ATPG 1.5-10	25	1991890000
<b>For terminal:</b>		
A2C 1.5	A2T 2.5 ...	
A3C 1.5	ADT 2.5 ...	
A4C 1.5	APGTB 2.5 ...	
AC2 2.5		
A3C 2.5		
A4C 2.5		

**ATPG 1.5 MI-R**

For terminal width 3.5 mm



<b>Dimensions</b>		
Width / Length / Height <sup>1)</sup>	mm	3.5 / 52
Stripping length	mm	
<b>Rated data</b>		
Rated voltage	V	250
Rated current	A	0.2
Rated cross-section	mm <sup>2</sup>	1.0
<b>Clamped conductors (H05V/H07V)</b>		
solid / stranded	mm <sup>2</sup>	0.5...1.0
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.0 / 0.5...1.0
<b>Ordering data</b>		
	1-pole	
	3-pole	
	5-pole	
	With snap-in pegs	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ATPG 1.5 MI-R	25	1991880000
<b>For terminal:</b>		
A2C 1.5		
A3C 1.5		
A4C 1.5		

**ATPG 2.5 MI-R**

For terminal width 5.1 mm



<b>Dimensions</b>		
Width / Length / Height <sup>1)</sup>	mm	6.9 / 52
Stripping length	mm	
<b>Rated data</b>		
Rated voltage	V	250
Rated current	A	0.2
Rated cross-section	mm <sup>2</sup>	1.0
<b>Clamped conductors (H05V/H07V)</b>		
solid / stranded	mm <sup>2</sup>	0.5...1.0
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.0 / 0.5...1.0
<b>Ordering data</b>		
	1-pole	
	3-pole	
	5-pole	
	With snap-in pegs	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ATPG 2.5/3	25	2041190000
ATPG 2.5/5	25	2041180000
ATPG 2.5 MI-R	25	1991960000
<b>For terminal:</b>		
AC2 2.5		
A3C 2.5		
A4C 2.5		
A2T 2.5 ...		
ADT 2.5 ...		
APGTB 2.5 ...		

Test adapter

**ATPG 4 MI-R**

For terminal width 6.1 mm



<b>Dimensions</b>		
Width / Length / Height <sup>1)</sup>	mm	7.9 / 52
Stripping length	mm	
<b>Rated data</b>		
Rated voltage	V	250
Rated current	A	0.2
Rated cross-section	mm <sup>2</sup>	1.0
<b>Clamped conductors (H05V/H07V)</b>		
solid / stranded	mm <sup>2</sup>	0.5...1.0
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.0 / 0.5...1.0
<b>Ordering data</b>		
	1-pole	
	With snap-in pegs	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ATPG 4 MI-R	25	1991860000
<b>For terminal:</b>		
AC2 4		
A3C 4		
A4C 4		

**ATPG 6 MI-R**

For terminal width 8.1 mm



<b>Dimensions</b>		
Width / Length / Height <sup>1)</sup>	mm	9.9 / 52
Stripping length	mm	
<b>Rated data</b>		
Rated voltage	V	250
Rated current	A	0.2
Rated cross-section	mm <sup>2</sup>	1.0
<b>Clamped conductors (H05V/H07V)</b>		
solid / stranded	mm <sup>2</sup>	0.5...1.0
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.0 / 0.5...1.0
<b>Ordering data</b>		
	1-pole	
	With snap-in pegs	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ATPG 6 MI-R	25	1991930000
<b>For terminal:</b>		
AC2 6		
A3C 6		
A4C 6		

Note: 1) The height is dependent on the terminal type

# Terminal blocks with PUSH IN connection technology

## Wiring is quick and safe

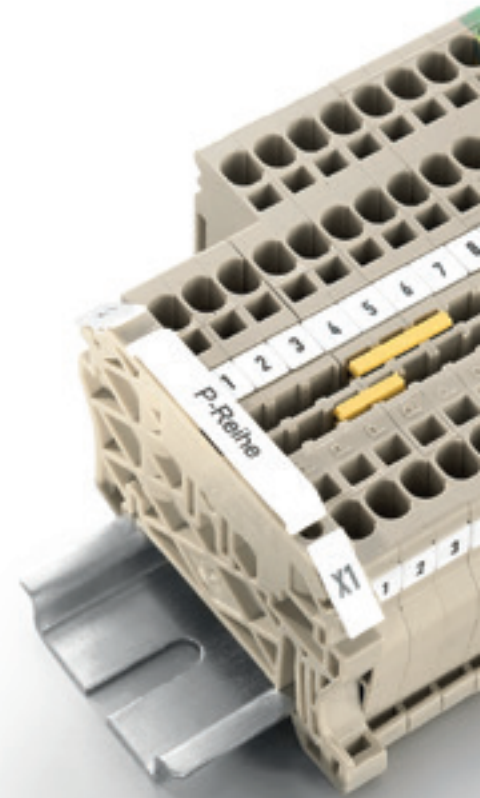
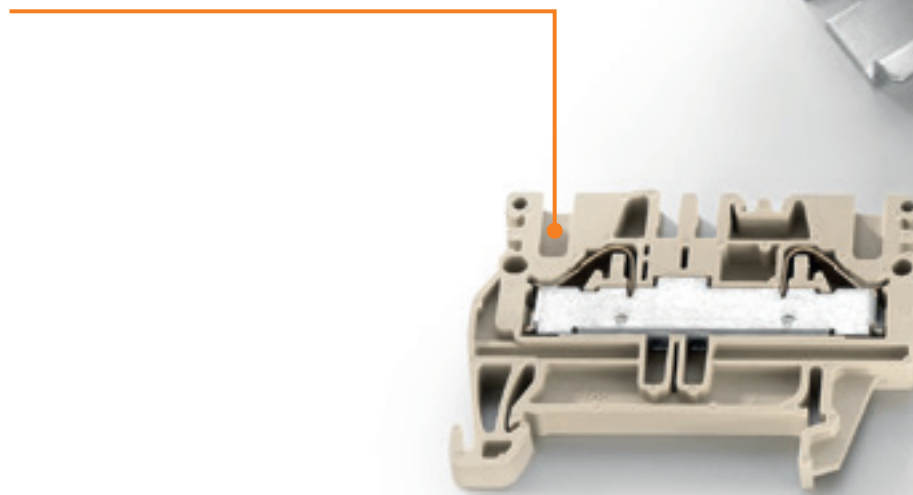
Increase your efficiency. The PUSH IN connection method and the associated reduction in the number of versions will help you.

Among the impressive features of the direct PUSH IN connection system are minimal wiring times and reliable, simple handling. Compared to the 3-conductor tension clamps, the direct PUSH IN system achieves time savings of up to 50 percent when connecting the conductor (3.5 seconds per conductor). The stripped solid conductor is simply pushed into the terminal as far as it will go – that's all there is to it. No tools are required, and the result is a reliable, vibration-resistant, gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonicwelded conductors can be connected without any problems.



### Quick and safe

Wiring time is significantly reduced with the direct insertion technique for solid-core and flexible stranded wires with ferrules thanks to the PUSH IN connection method – considerably quicker to connect and no need for additional tools.





**Simple operation**

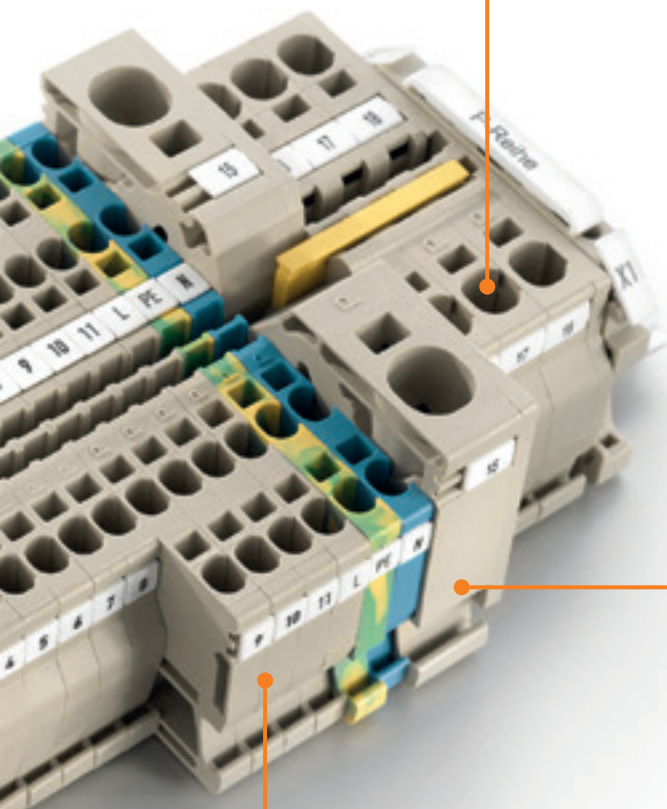
The PUSH IN contact's spring movement is limited by the spring stop mechanism, improper use is prevented by the design of the terminals.

**Contact security**

The long-term contact force between wire and busbar is ensured with a stainless steel spring. The busbar is made of copper with a tin alloy, this ensures a very low voltage drop.

**Wemid insulating material**

- Non-tracking CTI 600
- Thermally stable up to 120 °C
- V0 flammability rating to UL94
- Halogen and phosphor free, flame-retardant







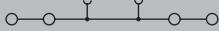
**PDU 2.5/4 4AN**

**4 mm<sup>2</sup>**

Four connections



5.1 x 78.5 x 38  
/ 6  
0.13...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4/4AN	100	1896130000
PDU 2.5/4/4AN BL	100	1896250000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

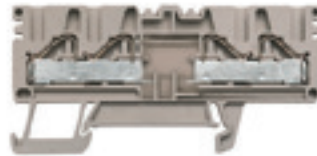
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

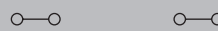
**PDU 2.5/4 2x2**

**4 mm<sup>2</sup>**

2 x 2 connections



5.1 x 78 x 38  
/ 6  
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4/2X2AN	50	1022220000
PDU 2.5/4/2X2AN BL	50	1043220000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

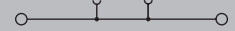
**PDU 6/10**

**10 mm<sup>2</sup>**

Two connections



8.1 x 64.5 x 40.5  
57 / 10  
1.5...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	44	46	36.5
10	AWG 14...8	AWG 14...10	6 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE KEMA06ATEX0177U

**Rated connection**

1.5...6 / 10...10  
1.5...10 / 1.5...10  
14 / 0.6 x 3.5 mm

Type	Qty.	Order No.
PDU 6/10	50	1896140000
PDU 6/10 BL	25	1896270000

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
PAP PDU6/10		20	1896330000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

# Spring connection with PUSH IN technology (P-Series)

## Feed-through terminal blocks

Universal range

A

### PDU 6/10 3AN

10 mm<sup>2</sup>

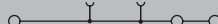
Three connections



8.1 x 82.5 x 40.5

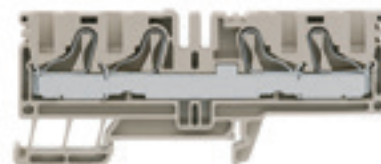
57 / 10

1.5...10



### PDU 6/10 4AN

10 mm<sup>2</sup>



8.1 x 97 x 40.5

57 / 10

1.5...10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	blue
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	44	46	36.5
10	AWG 14...8	AWG 14...10	6 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE KEMA06ATEX0177U

Rated connection	
1.5...6 / 10...10	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
PDU 6/10/3AN	50	1896150000
PDU 6/10/3AN BL	50	1896280000

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
PAP PDU6/10/3AN		20	1896340000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	47		
10	AWG 14...8		
8 kV / 3			
A4 / V-0			

CE

Rated connection	
1.5...6 / 10...10	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
PDU 6/10/4AN	50	1083040000
PDU 6/10/4AN BL	25	1165130000

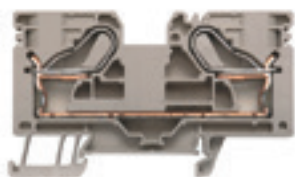
Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

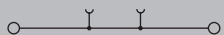
**PDU 16**

**16 mm<sup>2</sup>**

Two connections



12.1 x 80.5 x 47.5  
/ 16  
2.5...16



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	59
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3  
B6 / V-0

CE KEMA06ATEX0177U

**Rated connection**

2.5...16  
2.5...16 / 2.5...16  
18 / 1.0 x 5.5 mm

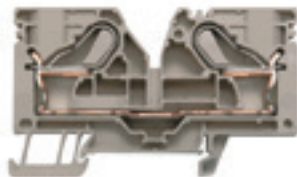
Type	Qty.	Order No.
PDU 16	25	1896400000
PDU 16 BL	10	1896220000

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP 16		10	1896290000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000

**PEI 16**

**16 mm<sup>2</sup>**

Supply terminal



15 x 80.5 x 47.5  
/ 16  
2.5...16



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	66.5
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3  
B6 / V-0

CE KEMA06ATEX0177U

**Rated connection**

2.5...16  
2.5...16 / 2.5...16  
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
PEI 16	25	1918780000
PEI 16 BL	25	1918790000

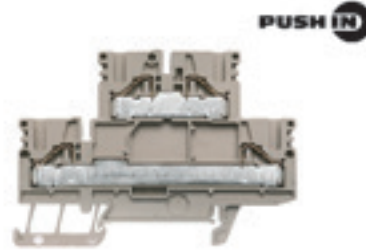
Terminal contains end plate.  
No separate end plate is necessary.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 6N/3		60	1906220000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000

**Spring connection with PUSH IN technology (P-Series)**  
**Feed-through terminal blocks**

**PKD 2.5/4** **4 mm<sup>2</sup>**

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 82.5 x 58
<b>32 / 6</b>
<b>0.13...6</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
32	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
CE CB e-ULus (R) Ex KEK3 KEMA06ATEX0177U			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
12 / 3.0 x 0.5 mm			
<b>Note</b>	For 2.5 mm <sup>2</sup> 24 A		

**Ordering data**

<b>Version</b>	
	dark beige
	blue
	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PDK 2.5/4	50	1918770000
PDK 2.5/4 BL	50	1918760000
<b>Note</b>		
For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
<b>End bracket</b>	dark beige
<b>Test adapter</b>	dark beige
	Standard
	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

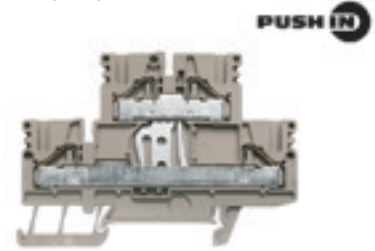
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PKD 2.5/4 V** **4 mm<sup>2</sup>**

Vertical cross-connected double-level terminal. Cross-connector for the bottom layer only.



5.1 x 82.5 x 58
<b>32 / 6</b>
<b>0.13...6</b>

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
CE CB e-ULus (R) Ex KEK3 KEMA06ATEX0177U			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
12 / 3.0 x 0.5 mm			
<b>Note</b>	For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

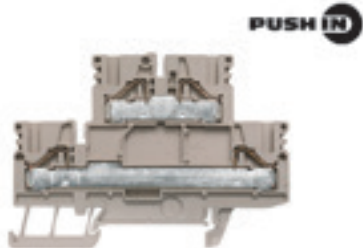
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PDK 2.5/4V	50	1918730000
PDK 2.5/4V BL	50	1918680000
<b>Note</b>		
For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PKD 2.5/4 N-L

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

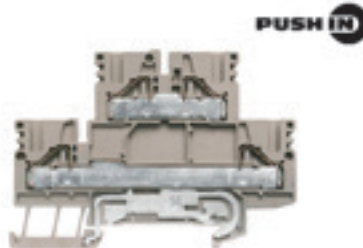
CE KEMA06ATEX0177U

Rated connection

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

PKD 2.5/4 L-PE

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

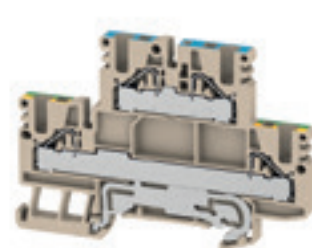
Rated connection

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

For 2.5 mm<sup>2</sup> 24 A. Cross-connector for top layer only

PKD 2.5/4 N-PE

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

Rated connection

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

4 mm<sup>2</sup> conductor should be processed after crimping (according to Euro-Norm EN 60947-1), for example with PZ6/5, order no. 9011460000.

Type	Qty.	Order No.
PKD 2.5/4N-L	50	1918740000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PKD 2.5/4L-PE	50	1918720000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PKD 2.5/4N-PE	50	1918750000

For use with 4 mm<sup>2</sup> conductors, with wire-end ferrules and cross-section-optimized plastic collars (order no. 9203630000)

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

## Spring connection with PUSH IN technology (P-Series)

### Feed-through terminal blocks

#### PMAK 4

4 mm<sup>2</sup>



#### PMAK 4 800 V

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 103.86 x 78.3	
<b>30 / 6</b>	
<b>0.5...6</b>	

6.1 x 107.5 x 82	
<b>32 / 6</b>	
<b>0.5...6</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
400	300		
30	29		
4	AWG 26...10		
6 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
12 / 0.4 x 2.5 mm			
Note			

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
800	600		
32	29		
4	AWG 26...10		
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
12 / 0.4 x 2.5 mm			
Note			

#### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
PMAK 4	50	1221340000
Note		

Type	Qty.	Order No.
PMAK 4 800V	50	1221350000
Note		

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PMAK 4		20	1221360000
ZEW 35/2		20	8630740000
SDS 0.4X2.5X75		1	9009030000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZEW 35/2		20	8630740000
SDS 0.4X2.5X75		1	9009030000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue



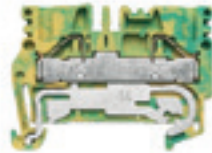
## Spring connection with PUSH IN technology (P-Series)

### PE terminal blocks

#### PPE 2.5/4

4 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 53 x 38
/ 6
0.13...6

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

<b>Rated connection</b>
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

#### PPE 2.5/4 3AN

4 mm<sup>2</sup>

Three connections



5.1 x 67 x 38
/ 6
0.13...6

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

<b>Rated connection</b>
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PPE 2.5/4/3AN	50	1896200000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PPE 2.5/4	50	1896170000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4		50	1896300000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
PAP 2.5/4/3AN		50	1896480000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



**PPE 2.5/4 4AN**

**4 mm<sup>2</sup>**

Four connections



Width/Height/Depth	5.1 x 80 x 38
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

Rated connection	
Solid / Stranded	0.5...6
Flexible / Flexible with ferrule	0.5...4 / 0.5...4
Twin wire-end ferrule	0.5...1.5
Stripping length / Blade size	12 / 3.0 x 0.5 mm

**PPE 6/10**

**6 mm<sup>2</sup>**

Two connections



Width/Height/Depth	8.1 x 63.5 x 40.5
max. current / max. cond. cross-section	/ 10
Max. clamping range	1.5...10

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 14...8	AWG 14...8	6 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

Rated connection	
Solid / Stranded	1.5...6
Flexible / Flexible with ferrule	1.5...10 / 1.5...10
Stripping length / Blade size	14 / 0.6 x 3.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	green/yellow

**Note**

**Accessories**

Accessories	
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	With lightning flash symbol
Identification systems	

Type	Qty.	Order No.
PPE 2.5/4/4AN	50	1896160000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	Qty.	Order No.
PPE 6/10	25	1896180000

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
PAP PDU6/10		20	1896330000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

## Spring connection with PUSH IN technology (P-Series) PE terminal blocks

**PPE 6/10 3AN**

**6 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 81.5 x 40.5
/ 10
1.5...10



### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 14...8	AWG 14...8	6 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A4 / V-0			

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

CE

Rated connection	
1.5...6	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5 mm	

**Note**

### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
PPE 6/10/3AN	25	<b>1896190000</b>

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	With lightning flash symbol
Identification systems	

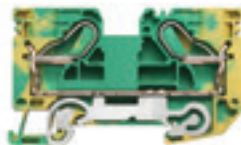
Type	current	Qty.	Order No.
PAP PDU6/10/3AN		20	<b>1896340000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PAD 6/10/4		80	<b>1916160000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
DEK 5/8 MM WS		500	<b>2007130000</b>
WS 8/8 MM WS		500	<b>2007170000</b>

For detailed information on other accessories and application in the online catalogue

PPE 16

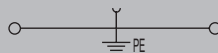
16 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 81 x 47.5
/ 16
2.5...16



**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
B6 / V-0			

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

CE

<b>Rated connection</b>	
2.5...16	
2.5...16 / 2.5...16	
18 / 1.0 x 5.5 mm	

**Note**

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
PPE 16	10	1896210000

**Accessories**

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

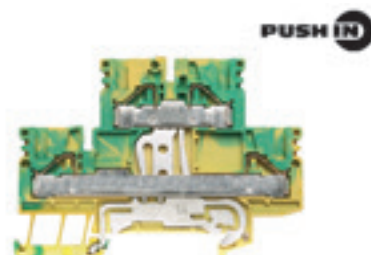
Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP 16		10	1896290000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

## Spring connection with PUSH IN technology (P-Series) PE terminal blocks

PDK 2.5/4 PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 82.5 x 58	
/ 6	
0.13...6	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	-/-

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
0.5...1.5	

Note

### Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
PDK 2.5/4 PE	50	1918710000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



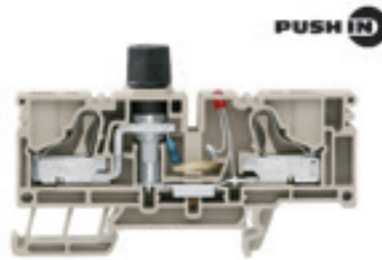
**Spring connection with PUSH IN technology (P-Series)  
Fuse terminal blocks**

**PSI 6/10**

**6 mm<sup>2</sup>**

**PSI 6/10**

**Overload and short-circuit protection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 81 x 39.6
<b>10 / 10</b>
<b>1.5...10</b>

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250			
6.3			
6			
		8 kV / 3	
		V-0	
CE			
<b>Rated connection</b>			
1.5...6			
1.5...10 / 1.5...10			
0.6 x 3.5 mm			
<b>Note</b>			

**Ordering data**

<b>Version</b>	
	dark beige
	dark beige
	black
	black
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PSI 6/10	25	<b>1083050000</b>
PSI 6/10/LD 10-36V	25	<b>1231880000</b>
PSI 6/10/LD 10-36V SW	25	<b>1231870000</b>
PSI 6/10 SW	25	<b>1165140000</b>
Short-circuit protection aligned individually: 10 A and 4 W.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	black
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/3 GE	32 A	60	<b>1608960000</b>
ZQV 4/4 GE	32 A	60	<b>1608970000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
<b>End plate / Partition plate</b>			
PAP PTL/PSI 6/10		20	<b>1165320000</b>
PAP PTL/PSI 6/10 SW		20	<b>1165330000</b>
<b>End bracket</b>			
ZEW 35		20	<b>9540000000</b>
<b>Screwdriver</b>			
SDS 0.5X3.0X80		1	<b>9008320000</b>
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>			
G 20/0.25A/F		10	<b>0430500000</b>
G 20/0.50A/F		10	<b>0430600000</b>
G 20/1.00A/F		10	<b>0430700000</b>
G 20/2.00A/F		10	<b>0430900000</b>
<b>Identification systems</b>			
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>

<b>Type</b>	<b>Order No.</b>
PSI 6/10	<b>1083050000</b>
<b>Note</b>	

<b>Arrangement</b>	<b>Applications</b>			
	<b>Only short-circuit protection</b>		<b>Overload and short-circuit protection</b>	
	<b>T<sub>A</sub> max.</b>	<b>Nominal values</b>	<b>T<sub>A</sub> max.</b>	<b>Nominal values</b>
Individual	35 °C	2.5 W / 6.3 A		
In combination	26 °C	2.5 W / 6.3 A		
<b>Note</b>				

For detailed information on other accessories and application in the online catalogue

Every second cross-connection pin must be broken out.

Fuse cartridges and gauge rings for Weidmüller Fuse terminal blocks

Fuse cartridges

for terminal type:

PSI 6/10

WSI 4

WSI 6



Ordering data

G-type fuse cartridges 5 x 20 without indicator in acc. with IEC 60127-2 (VDE 0820 T.2 B1)<sup>1)</sup>

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	0.1	quick-acting	G 20/0.10A/F	10	0430300000
	0.2	quick-acting	G 20/0.20A/F	10	0430400000
Cartridge fuse	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	0.5	quick-acting	G 20/0.50A/F	10	0430600000
	0.63	quick-acting	G 20/0.63A/F	10	0439000000
	1	quick-acting	G 20/1.00A/F	10	0430700000
	1.6	quick-acting	G 20/1.60A/F	10	0430800000
	2	quick-acting	G 20/2.00A/F	10	0430900000
	2.5	quick-acting	G 20/2.50A/F	10	0431000000
	3.15	quick-acting	G 20/3.15A/F	10	0431100000
	4	quick-acting	G 20/4.00A/F	10	0431200000
	5	quick-acting	G 20/5.00A/F	10	0431300000
	6.3	quick-acting	G 20/6.30A/F	10	0431400000

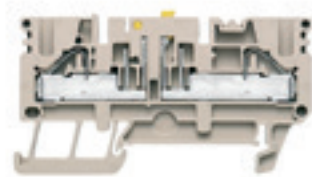
(M) = medium time-lag; (F) = quick-acting

**Spring connection with PUSH IN technology (P-Series)**  
**Test-disconnect terminal blocks**

**PTR 2.5/4**

**4 mm<sup>2</sup>**

With isolator



5.1 x 71 x 39  
**23 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
23	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			

CE

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
	without isolator, dark beige
Note	

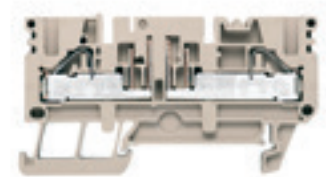
**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

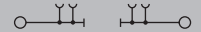
For detailed information on other accessories and application in the online catalogue

**PTR 2.5/4 0 TNHE**

**4 mm<sup>2</sup>**



5.1 x 71 x 39  
**23 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
23			
4			
6 kV / 3			
A3 / V-0			

CE

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4	50	1933950000
PTR 2.5/4 BL	50	1933970000
PTR 2.5/4 0 TNHE	50	1933910000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PTR2.5/4		20	1934680000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

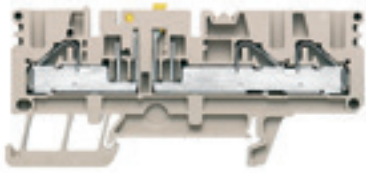
Detailed information for working with twin ferrules can be found in the P Series Accessories section.



**PTR 2.5/4 3AN**

**4 mm<sup>2</sup>**

With isolator



5.1 x 85 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN	50	<b>1933980000</b>
PTR 2.5/4/3AN BL	50	<b>1933930000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

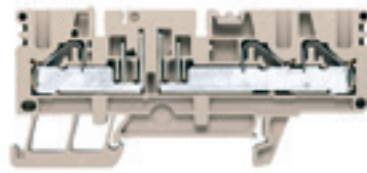
Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/3AN		20	<b>1934690000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

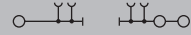
**PTR 2.5/4 3AN 0 TNHE**

**4 mm<sup>2</sup>**

With isolator



5.1 x 85 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
24			
4			
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN 0.TNHE	50	<b>1933990000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

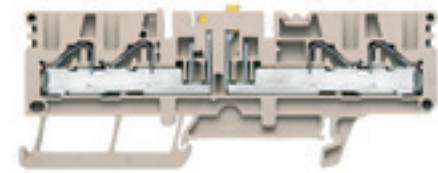
Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/3AN		20	<b>1934690000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PTR 2.5/4 4AN**

**4 mm<sup>2</sup>**

With isolator



5.1 x 99 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/4AN	50	<b>1933940000</b>
PTR 2.5/4/4AN BL	50	<b>1934000000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/4AN		20	<b>1934700000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

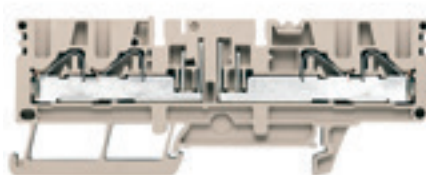
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

## Spring connection with PUSH IN technology (P-Series)

### Test-disconnect terminal blocks

PTR 2.5/4 4AN 0 TNHE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 99 x 39

24 / 6

0.13...6



#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
24			
4			
		6 kV / 3	
		A3 / V-0	

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 0.6 x 3.5 mm	

For 2.5mm<sup>2</sup> 22 A

#### Note

#### Ordering data

Version
dark beige
blue
without isolator, dark beige

#### Note

Type	Qty.	Order No.
PTR 2.5/4/4AN 0.TNHE	50	1933890000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PTR2.5/4/4AN		20	1934700000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

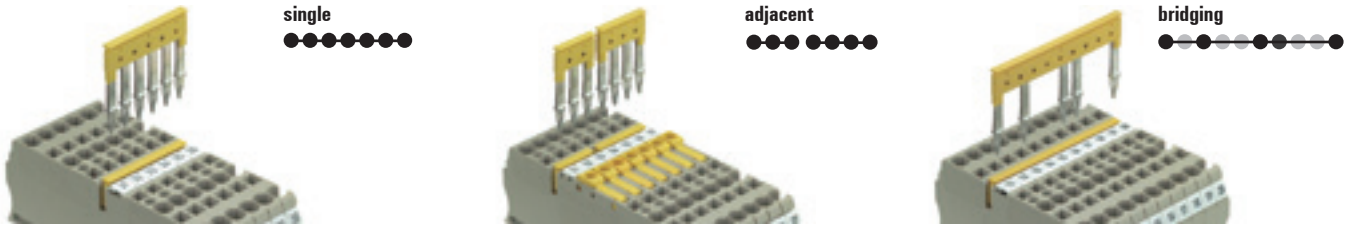
For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

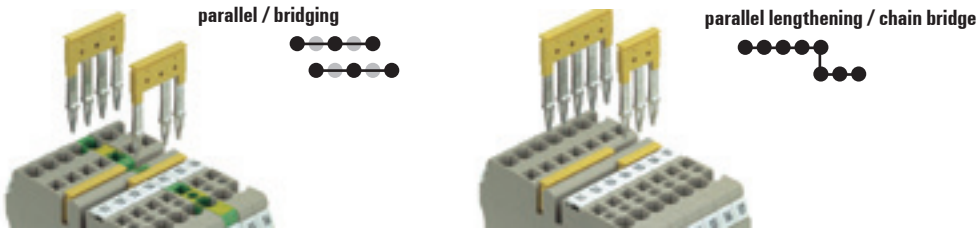


Possible combinations

In one cross-connection channel



In two cross-connection channels



Possible cross-connections of terminals of the same type with corresponding cross-connectors

Terminal type	Cross-connection	single	adjacent	bridging	parallel bridging	chain bridge parallel/lengthening
Standard terminals						
PDU 2.5/4	ZQV 2.5/...	•	•	•	•	•
PDU 2.5/4/3AN	ZQV 2.5/...	•	•	•	•	•
PDU 2.5/4/4AN	ZQV 2.5/...	•	•	•	•	•
PDU 6/10	ZQV 6N/...	•	•	•	•	•
PDU 6/10/3AN	ZQV 6N/...	•	•	•	•	•
PDU 16	ZQV 16/2	•	•			•

The ZQV 2.5/20 cross-connector allows you to easily and separately connect up to 20 terminals with each other.

The electrician can cut off the required amount of contact elements from the continuous 20-pole cross-connection comb.

**Caution:** Not fingersafe, not approved for ATEX use.

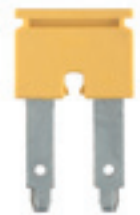
ZQV 2.5



ZQV 6 N



ZQV 16/2



Technical data	
Rated current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	

24 / 24			
Type	Qty.	Order No.	
ZQV 2.5/2	60	1608860000	
ZQV 2.5/3	60	1608870000	
ZQV 2.5/4	60	1608880000	
ZQV 2.5/5	20	1608890000	
ZQV 2.5/6	20	1608900000	
ZQV 2.5/7	20	1608910000	
ZQV 2.5/8	20	1608920000	
ZQV 2.5/9	20	1608930000	
ZQV 2.5/10	20	1608940000	
ZQV 2.5/20	20	1908960000	
For terminal:			
PDL 4 ...			
PDL 4S ...			
PDU 2.5/4 ...			
PDIC 2.5/4			

57			
Type	Qty.	Order No.	
ZQV 6N/2	60	1906210000	
ZQV 6N/3	60	1906220000	
ZQV 6N/4	60	1906230000	
ZQV 6N/20	20	1906240000	
For terminal:			
PDU 6/10			
PDU 6/10 3AN			
PNT 6/10			

76 / 76			
Type	Qty.	Order No.	
ZQV 16/2	25	1739690000	
For terminal:			
PDU 16			

### Test adapter

The clip-on test adapter PTA is used as a single thin element and as a test adapter strip for voltage measurements in electrical cabinets. Conductors with cross-sections from 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup> can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
solid / stranded	mm <sup>2</sup>
flexible / flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	With snap-in pegs

### PTA

With assembly peg



5.1 / 20 / 59		
6		
250		
17.5		
1.5		
0.5...1.5		
0.5...1.5 / 0.5...1.5		
Type	Qty.	Order No.
PTA PDU2.5/4	25	1916180000
PTA ZA PDU2.5/4	25	1916190000
For terminal:		
PDU 2.5/4		

### Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

Packaged in sets of 100 x 10-pole strips

Technical data	
Product type	
Ordering data	
	For conductor 0.5 mm <sup>2</sup> , grey
	For conductor 1 mm <sup>2</sup> , dark grey

### PRH 2.5/4

Reducing sleeves



Reducing sleeve		
Type	Qty.	Order No.
PRH 2.5/4/1	100	1916410000
PRH 2.5/4/2	100	1916400000
For terminal:		
PDU 2.5/4		
PDK 2.5/4		

### Cover

The VDE standards call for power connection terminals to be covered. For this purpose, Weidmüller can supply yellow warning PAD covers with the "lightning flash" symbol. The cover is clipped into the screwdriver slit in the terminal and each one covers a group of four terminals.

Technical data	
Product type	
Ordering data	
	Terminal width, 5.1 mm
	Terminal width, 8 mm
	Terminal width, 12 mm

### PAD



end plate and intermediate plate		
Type	Qty.	Order No.
PAD 2.5/4/4	80	1916150000
PAD 6/10/4	80	1916160000
PAD 16/4	80	1916170000
For terminal:		
PDU 2.5/4 ...		
PTR 2.5/4 ...		
PDK 2.5/4 ...		
PDU 6/10 ...		
PDU 16 ...		

### Label

The BZT marking tags enable you to label the middle of the marking channel with the **WS 10/5** tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

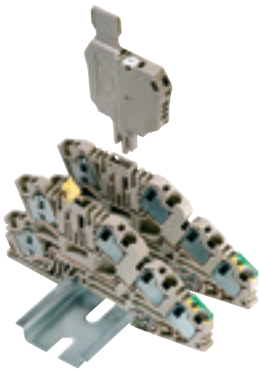
Technical data	
Product type	
Ordering data	
	One-sided, without peg
	One-sided, with peg
	Two-sided without pin
	Two-sided, with pin

### BZT 1/BZT 2



Marker holder		
Type	Qty.	Order No.
BZT 1 WS 10/5	100	1805490000
BZT 1 ZA WS 10/5	100	1805520000
BZT 2 WS 10/5	100	1805480000
BZT 2 ZA WS 10/5	100	1805530000
For terminal:		
PDK 2.5/4 ...		
PDL 4 ...		

SIHA fuse holder



For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.

Simply remove the disconnect lever and insert the fuse plug.

Better: order the PDL 4... OTNHE and insert the SIHA immediately.

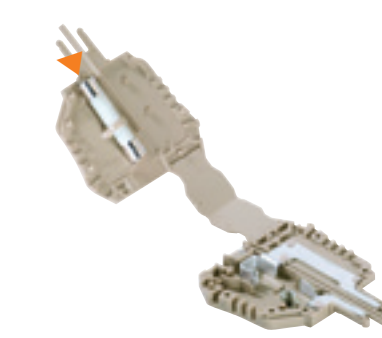
- Simple handling without tools
- Housing made of Wemid (VO)
- Rated current 6.3 A
- Even fits on 5 mm wide terminals when fitted in offset arrangement



1. Open fuse holder with fingers or screwdriver.



2. Press out old fuse.



3. Position new fuse.

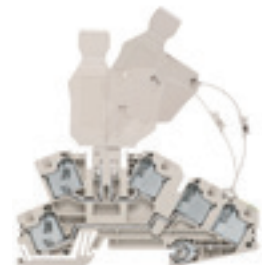


4. Press fuse holder together again with fingers or screwdriver.

SIHA 3



SIHA STRAP



- Identification position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



	Qty.	Order No.
without LED		
<b>SIHA3/G20</b>	400 V 1	<b>7921560000</b>
with LED (red)		
<b>SIHA3/G20</b>		
	10 - 36 V 1	<b>7921570000</b>
	35 - 70 V 1	<b>7921580000</b>
	60 - 150 V 1	<b>7921590000</b>
	140 - 250 V 1	<b>7921600000</b>

For test-disconnect terminals versions

PTR 2.5/4...  
PDL 4 TR/...

	Qty.	Order No.
with strap		
<b>SIHA STRAP</b>	20	<b>9537680000</b>

Applications with PTR 2.5/4..., PDL 4 TR/... and SIHA 3

		Short-circuit protection		Overload and short-circuit protection	
		Nom. value		Nom. value	
		Power loss	Rated current	Power loss	Rated current
<b>PTR 2.5/4...</b>	Single	4.0 W	6.3 A	1.6 W	6.3 A
	Group	1.6 W	6.3 A		
<b>PDL 4 TR/... und SIHA 3</b>	Single	1.6 W	6.3 A	1.6 W	6.3 A
	Group	1.6 W	6.3 A		

Connector for retro-fit assembly

- Receptacle in the terminal is the identification position
- Integrated identification position on the strap
- Slots into fuse holder either on the left or on the right



## Flexible in wiring, vibration-resistant in operation

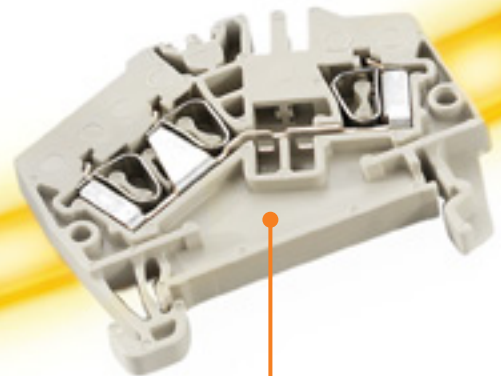
### Klippon® Connect with proven tension clamp technology

Whether in machine construction, the automotive industry or railway and shipping: wherever there is a requirement for a particularly vibration-resistant contact, tension clamp technology proves extremely reliable. At the same time, our terminal blocks with proven tension clamp technology are perfect for compact yet manageable panel construction. The wide range with numerous additional functions and pluggable terminal blocks (WeiCoS), the wide clamping range and up to two cross-connection channels make the Z-Series perfectly adaptable to all requirements. Pluggable standard cross-connections enable flexible potential distribution.



#### Our promise

Klippon® Connect helps you reliably achieve a range of applications. Our terminal blocks with tension clamp technology are impressively compact and flexible. They contribute to highly efficient panel construction and improved productivity.



#### Flexibility

- Pluggable standard cross-connections for flexible potential distribution
- Secure interlocking of all plug-in connectors (WeiCoS)



**Time saving**

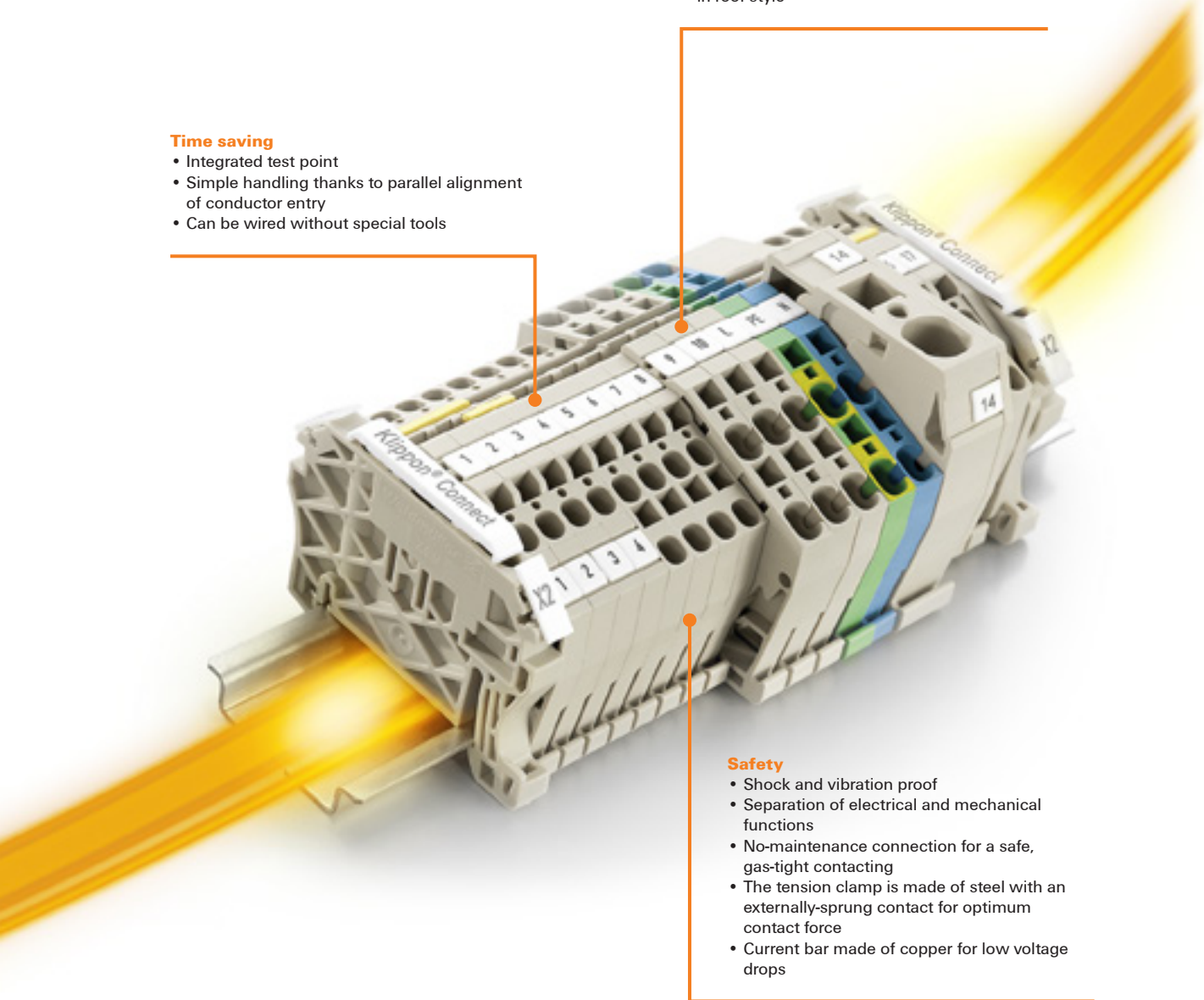
- Integrated test point
- Simple handling thanks to parallel alignment of conductor entry
- Can be wired without special tools

**Space saving**

- Compact design
- Length reduced by up to 36 percent in roof style

**Safety**

- Shock and vibration proof
- Separation of electrical and mechanical functions
- No-maintenance connection for a safe, gas-tight contacting
- The tension clamp is made of steel with an externally-sprung contact for optimum contact force
- Current bar made of copper for low voltage drops



**Overview**

**Exceptionally practical:**

The Z-Series has an impressive, practical design and comes in two variants: standard and roof. Our standard models cover wire cross-sections from 0.05 to 35 mm<sup>2</sup>. Terminal blocks for wire cross-sections from 0.13 to 16 mm<sup>2</sup> are available as roof variants. The striking shape of the roof style gives a reduction in length of up to 36 percent compared to standard terminal blocks.

**Simple and clear:**

Despite their compact width of just 5 mm (2 connections) or 10 mm (4 connections), our block terminals guarantee absolute clarity and ease of handling thanks to the top-entry conductor feeds. This means the wiring is clear even in terminal boxes with restricted space.



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDUB 2.5-2/2AN/TS15

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE			
KEMA97ATEX2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

#### Ordering data

<b>Version</b>	
	dark beige
	blue
	orange
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDUB 2.5-2/2AN/15	100	1712750000
ZDUB 2.5-2/2AN/15 BL	100	1712760000
ZDUB 2.5-2/2AN/15 OR	100	1712770000

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	orange
<b>End bracket</b>	
	beige
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQB 2.5-2	24 A	50	1677120000
<b>ZAP ZDUB</b>			
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
<b>ZEW 15</b>			
ZEW 15		20	7920340000
<b>SDIS SL 0.6X3.5X100</b>			
SDIS SL 0.6X3.5X100		1	1274660000
<b>DEK 5/5 MC NE WS</b>			
DEK 5/5 MC NE WS		1000	1609801044
<b>WS 10/5 MC NE WS</b>			
WS 10/5 MC NE WS		720	1635000000
<b>DEK 5/5 MM WS</b>			
DEK 5/5 MM WS		800	2007110000
<b>WS 8/5 MM WS</b>			
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

#### ZDUB 2.5-2/4AN/TS15

2.5 mm<sup>2</sup>

Four connections



10.2 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE			
KEMA97ATEX2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDUB 2.5-2/4AN/15	100	1712780000
ZDUB 2.5-2/4AN/15 BL	100	1712790000
ZDUB 2.5-2/4AN/15 OR	100	1712800000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQB 2.5-2	24 A	50	1677120000
<b>ZAP ZDUB</b>			
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
<b>ZEW 15</b>			
ZEW 15		20	7920340000
<b>SDIS SL 0.6X3.5X100</b>			
SDIS SL 0.6X3.5X100		1	1274660000
<b>DEK 5/5 MC NE WS</b>			
DEK 5/5 MC NE WS		1000	1609801044
<b>WS 10/5 MC NE WS</b>			
WS 10/5 MC NE WS		720	1635000000
<b>DEK 5/5 MM WS</b>			
DEK 5/5 MM WS		800	2007110000
<b>WS 8/5 MM WS</b>			
WS 8/5 MM WS		800	2007150000

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

**ZDUA 2.5-2**

**2.5 mm<sup>2</sup>**

Two connections



5.1 x 35 x 30  
**30 / 4**  
**0.13...4**



IEC 60947-7-1

Ex e II

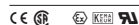


II 2 G D

IEC	UL	CSA	EN 60079-7
500	600	600	275
24	20	20	20
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>

6 kV / 3

A2 / V-0



KEMA97ATEX4678U

**Rated connection**

0.5...4

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

TS 15 - sliced construction

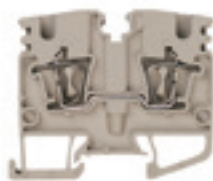
Type	Qty.	Order No.
ZDUA 2.5-2	100	1720920000
ZDUA 2.5-2 BL	100	1720930000
ZDUA 2.5-2 OR	100	1720940000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA		50	1720960000
ZAP/TW ZDUA BL		50	1720970000
ZAP/TW ZDUA OR		50	1720980000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

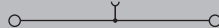
**ZDUA 2.5-2N**

**2.5 mm<sup>2</sup>**

Two connections



5.1 x 42.5 x 35  
**30 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 26...12	AWG 26...12	

8 kV / 3

A2 / V-0



**Rated connection**

0.5...4

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

TS 15 - sliced construction

Type	Qty.	Order No.
ZDUA 2.5-2N	100	1808200000
ZDUA 2.5-2N BL	100	1808180000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA2.5-2N		50	1808170000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

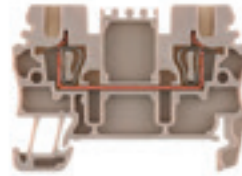
**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

Universal range

A

**ZDU 1.5** **1.5 mm<sup>2</sup>**

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 51.5 x 36.5
<b>17.5 / 1.5</b>
<b>0.05...1.5</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5	100	1775480000
ZDU 1.5 BL	100	1775490000

**Accessories**

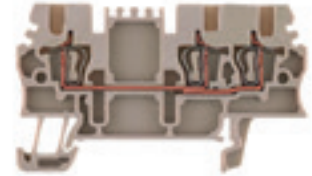
<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/2AN		20	1776030000
ZAP/TW ZDU1.5/2AN BL		20	1776040000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

**ZDU 1.5/3 AN** **1.5 mm<sup>2</sup>**

Three connections



3.5 x 63.5 x 36.5
<b>17.5 / 1.5</b>
<b>0.05...1.5</b>

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5/3AN	100	1775530000
ZDU 1.5/3AN BL	100	1775540000

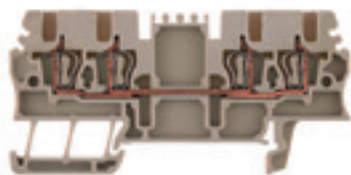
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/3AN		20	1776060000
ZAP/TW ZDU1.5/3AN BL		20	1776070000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

**ZDU 1.5/4 AN**

**1.5 mm<sup>2</sup>**

Four connections



3.5 x 75.5 x 36.5  
17.5 / 1.5  
0.05...1.5



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

6 kV / 3

B1 / V-0

CE

KEMA01ATEX2106U

**Rated connection**

0.5...1.5

0.5...1.5 / 0.5...1.5

10 / 0.4 x 2.0 mm

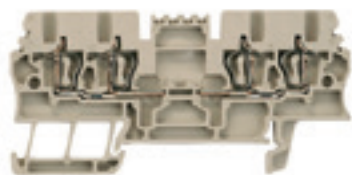
Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU 1.5/3AN		20	1776060000
ZAP/TW ZDU 1.5/3AN BL		20	1776070000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

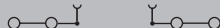
**ZDU 1.5 2x2AN**

**1.5 mm<sup>2</sup>**

2 x 2 connections



3.5 x 75.5 x 36.5  
17.5 / 1.5  
0.05...1.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			

6 kV / 3

B1 / V-0

CE

**Rated connection**

0.5...1.5

0.5...1.5 / 0.5...1.5

10 / 0.4 x 2.0 mm

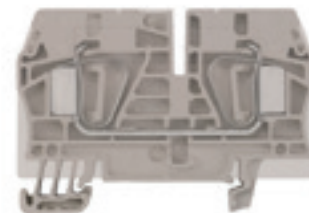
Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000
ZDU 1.5/2X2AN BL	100	1826990000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU 1.5/4AN		20	1776090000
ZAP/TW ZDU 1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

**ZEI 6**

**6 mm<sup>2</sup>**

Supply terminal



10 x 65 x 45  
57 / 10  
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			

8 kV / 4

A5 / V-0

CE

**Rated connection**

0.5...10

0.5...10 / 0.5...6

13 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 6	20	1791190000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 3/4		20	1609120000
DEK 8 FSZ 1-10		500	1289660001
WS 12/6 MC NE WS		600	1609900000

The plug-in cross-connections ZQV 1.5/... can be used.

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

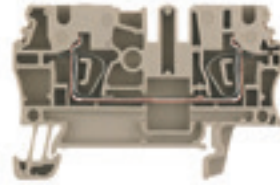
Universal range

A

**ZDU 2.5**

**2.5 mm<sup>2</sup>**

Two connections



**ZDU 2.5/3AN**

**2.5 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59.5 x 38.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

5.1 x 64.5 x 38.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II  II 2 G D		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1	Ex e II  II 2 G D		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5	100	<b>1608510000</b>
ZDU 2.5 BL	100	<b>1608520000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5/3AN	100	<b>1608540000</b>
ZDU 2.5/3AN BL	100	<b>1608550000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 1		50	<b>1608740000</b>
ZAP/TW 1 BL		50	<b>1608750000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

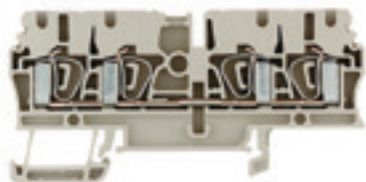
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 2 DB		50	<b>1608770000</b>
ZAP/TW 2 BL		50	<b>1608780000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

**ZDU 2.5/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 79.5 x 38.5  
27 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

**Rated connection**

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

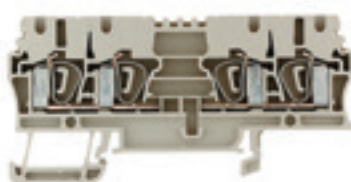
Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

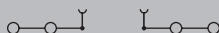
**ZDU 2.5/2x2AN**

**2.5 mm<sup>2</sup>**

Two potentials feasible



5.1 x 79.5 x 38.5  
30 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

**Rated connection**

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

# Spring connection with tension clamp technology (Z-Series)

## Feed-through terminal blocks

Universal range

A

### ZDU 4 4 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 62 x 43
<b>41 / 6</b>
<b>0.13...6</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1	Ex e II  II 2 G D		
IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
KEMA97ATEX2521U			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

#### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDU 4	100	<b>1632050000</b>
ZDU 4 BL	100	<b>1632060000</b>

#### Accessories

Pluggable cross-connection	2-pole
	4-pole
	10-pole
End plate / Partition plate	dark beige
	Blue
End bracket	dark beige
Test adapter	Standard
	With spigot
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP/TW 4		50	<b>1632090000</b>
ZAP/TW 4 BL		50	<b>1632100000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 2 ZDU4		25	<b>1609060000</b>
ZTA 2/ZA ZDU4		25	<b>1609070000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 4/1 WS		1000	<b>1636640000</b>
ZAD 2/4		20	<b>1609080000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

### ZDU 4/3 AN 4 mm<sup>2</sup>

Three connections



6.1 x 83.5 x 43
<b>41 / 6</b>
<b>0.13...6</b>

IEC 60947-7-1	Ex e II  II 2 G D		
IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
KEMA00ATEX2107U			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

Type	Qty.	Order No.
ZDU 4/3AN	50	<b>7904180000</b>
ZDU 4/3AN BL	50	<b>7904190000</b>

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP/TW 4/3AN		20	<b>7904100000</b>
ZAP/TW 4/3AN BL		20	<b>7904110000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 2 ZDU4		25	<b>1609060000</b>
ZTA 2/ZA ZDU4		25	<b>1609070000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 4/1 WS		1000	<b>1636640000</b>
ZAD 2/4		20	<b>1609080000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue



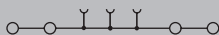
ZDU 4/4 AN

4 mm<sup>2</sup>

Four connections



6.1 x 104.5 x 43  
41 / 6  
0.13...6



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3  
A4 / V-0

KEMA00ATEX2107U

Rated connection

0.5...6 / 0.5...6  
0.5...6 / 0.5...4  
12 / 0.6 x 3.5 mm

When using twin ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW4/4AN		20	7904210000
ZAP/TW4/4AN BL		20	7904220000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

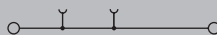
ZDU 6

6 mm<sup>2</sup>

Two connections



8.1 x 65 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3  
A5 / V-0

KEMA97ATEX2521U

Rated connection

0.5...10  
0.5...6 / 0.5...6  
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

1000 V DC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 5		50	1608830000
ZAP/TW 5 BL		50	1608840000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

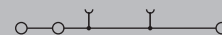
ZDU 6/3 AN

6 mm<sup>2</sup>

Three connections



8.1 x 90 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3  
A5 / V-0

KEMA00ATEX2107U

Rated connection

0.5...10  
0.5...6 / 0.5...6  
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW6/3AN		20	7907370000
ZAP/TW6/3AN BL		20	7907380000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

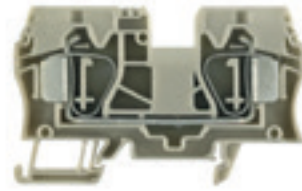
Universal range

A

**ZDU 10**

**10 mm<sup>2</sup>**

Two connections



Width/Height/Depth	mm	10 x 73.5 x 49.5
max. current / max. cond. cross-section	A/mm <sup>2</sup>	72 / 16
Max. clamping range	mm <sup>2</sup>	1.31...16

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>Rated connection</b>			
1.5...1.5 / 1.5...16			
1.5...10 / 1.5...10			
18 / 1.0 x 5.5 mm			

**Technical data**

<b>Rated data</b>		
Rated voltage	V	1000
Rated current	A	57
for wire cross-section	mm <sup>2</sup>	10
Rated impulse withstand voltage / Pollution severity		8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A6 / V-0
Approvals		CE, KEMA99ATEX5514U
<b>Clamped conductors (H05V/H07V)</b>		
Solid / Stranded	mm <sup>2</sup>	1.5...16
Flexible / Flexible with ferrule	mm <sup>2</sup>	1.5...10 / 1.5...10
Stripping length / Blade size	mm/-	18 / 1.0 x 5.5 mm
<b>Note</b>	Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.	

**Ordering data**

<b>Version</b>		dark beige
		blue
<b>Note</b>	1000 VDC rated voltage tested.	

**Accessories**

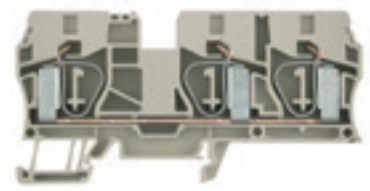
<b>Pluggable cross-connection</b>		2-pole
		4-pole
<b>End plate / Partition plate</b>		dark beige
		Blue
<b>End bracket</b>		dark beige
<b>Screwdriver</b>		Standard
<b>Cover</b>		With lightning flash symbol
<b>Identification systems</b>		

For detailed information on other accessories and application in the online catalogue

**ZDU 10/3AN**

**10 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm	10 x 99 x 49.5
max. current / max. cond. cross-section	A/mm <sup>2</sup>	57 / 16
Max. clamping range	mm <sup>2</sup>	1.31...16

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>Rated connection</b>			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
18 / 1.0 x 5.5 mm			
Approvals		CE, KEMA00ATEX2107U	
<b>Note</b>	Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 10/3AN	20	1767690000
ZDU 10/3AN BL	20	1767700000
1000 VDC rated voltage tested.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZDV 10/2		25	1739680000
ZAP/TW ZDU10		20	1748660000
ZAP/TW ZDU10 BL		20	1764110000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 4/5		20	1746730000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000

For detailed information on other accessories and application in the online catalogue



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDU 35

35 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 100.5 x 58.5
<b>125 / 35</b>
<b>2.5...35</b>



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	690
125	120	120	109
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
A8 / V-0			
CE		KEMA00ATEX2107U	
Rated connection			
2.5...16 / 2.5...35			
2.5...35 / 2.5...35			
25 / 1.0 x 5.5 mm			

**Note**

Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10. Cross-connection of ZDU 16 and ZDU 35 is possible using the ZDV 35-16.

#### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDU 35	10	<b>1739620000</b>
ZDU 35 BL	10	<b>1739630000</b>

End plate is integrated. 1000 VDC rated voltage tested.

#### Accessories

Pluggable cross-connection	2-pole
	4-pole
End plate / Partition plate	dark beige
	Blue
End bracket	dark beige
Screwdriver	Standard
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZDV 35/2	105 A	10	<b>1739700000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 6/5		20	<b>1752620000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>

For detailed information on other accessories and application in the online catalogue



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDU 2.5-2

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 43
<b>24 / 4</b>
<b>0.13...4</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

#### ZDU 2.5-2/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 50.5 x 43
<b>24 / 4</b>
<b>0.13...4</b>

IEC 60947-7-1 Ex e II II 2 G D

<b>Rated data</b>			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE      KEMA97ATEX4677U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

<b>Version</b>		
	dark beige	
	blue	
<b>Note</b>		

<b>Accessories</b>			
<b>Pluggable cross-connection</b>			
	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
<b>End plate / Partition plate</b>			
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
<b>End bracket</b>			
ZEW 35		20	9540000000
<b>Test adapter</b>			
ZTA 4		25	1688110000
<b>Screwdriver</b>			
SDIS SL 0.6X3.5X100		1	1274660000
<b>Reducing sleeves</b>			
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
<b>Cover</b>			
ZAD 1/4-2 GE		20	1764560000
<b>Identification systems</b>			
DEK 5/5 MC SDR		200	1609810000
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

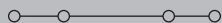
**ZDU 2.5-2/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 50.5 x 43  
**24 / 4**  
**0.13...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>

8 kV / 3  
A2 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...4  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/4AN	100	<b>1706060000</b>
ZDU 2.5-2/4AN BL	100	<b>1706070000</b>

The wire cross section is decreased to 1.5 mm<sup>2</sup> when using the ZQB 2.5 for single core and finely stranded wires.

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	<b>1677120000</b>
ZAP/TW7		50	<b>1706110000</b>
ZAP/TW7 BL		50	<b>1706120000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZAD 1/4-2 GE		20	<b>1764560000</b>
DEK 5/5 MC SDR		200	<b>1609810000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

**ZDU 4-2**

**4 mm<sup>2</sup>**

Two connections



6.1 x 61.5 x 45.5  
**32 / 6**  
**0.13...6**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3  
A3 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/2AN	100	<b>1770370000</b>
ZDU 4-2/2AN BL	100	<b>1770840000</b>

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

**ZDU 4-2/3AN**

**4 mm<sup>2</sup>**

Three connections



6.1 x 61.5 x 45.5  
**38 / 6**  
**0.13...6**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3  
A3 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/3AN	100	<b>1770360000</b>
ZDU 4-2/3AN BL	100	<b>1770860000</b>

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

**ZDU 4-2/3AN LSC**

**4 mm<sup>2</sup>**

Three connections



**ZDU 4-2/4AN**

**4 mm<sup>2</sup>**

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 45.5	
<b>38 / 6</b>	
<b>0.13...6</b>	

6.1 x 75.1 x 45.5	
<b>32 / 6</b>	
<b>0.13...6</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800			
32			
4			
	8 kV / 3		
	A3 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
<b>Note</b>	The ZDU 4-2/3AN LSC version can be mounted on a 40 mm Lütze frame.		

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
	8 kV / 3		
	A3 / V-0		
<b>CE</b>			
			KEMA97ATEX4677U
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4-2/3AN LSC	100	<b>1790520000</b>
<b>Note</b>	Rated voltage is reduced to 400 V when using the cross-connector.	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4-2/4AN	100	<b>1806980000</b>
ZDU 4-2/4AN BL	100	<b>1806990000</b>
<b>Note</b>	Rated voltage is reduced to 400 V when using the cross-connector.	

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2/4AN		50	<b>1807010000</b>
ZAP ZDU4-2/4AN BL		50	<b>1807020000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).



ZDU 6-2/2AN

6 mm<sup>2</sup>

Two connections



8.1 x 68 x 49.5  
41 / 10  
0.22...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

KEMA97ATEX4677U

Rated connection

0.5...10  
0.5...10 / 0.5...6  
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

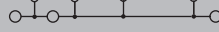
ZDU 6-2/3AN

6 mm<sup>2</sup>

Three connections



8.1 x 68 x 49.5  
41 / 10  
0.22...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

KEMA97ATEX4677U

Rated connection

0.5...10  
0.5...10 / 0.5...6  
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

ZEI 16-2 / 1 AN

16 mm<sup>2</sup>

Supply terminal



14 x 61.5 x 50.5  
76 / 25  
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
6 kV / 3			
A7 / V-0			

Rated connection

1.5...10 / 16...25  
1.5...16 / 1.5...16  
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZDU 6-2/2AN	50	1771380000
ZDU 6-2/2AN BL	50	1771390000

Rated voltage is reduced to 400 V when using the cross-connector. 1000 VDC rated voltage tested.

Type	Qty.	Order No.
ZDU 6-2/3AN	50	1771410000
ZDU 6-2/3AN BL	50	1771420000

Rated voltage is reduced to 400 V when using the cross-connector.

Type	Qty.	Order No.
ZEI 16-2/1AN	20	1772940000
ZEI 16-2/1AN BL	20	1772950000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

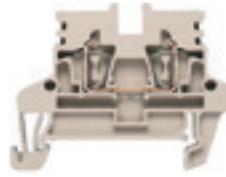
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 8 FSZ 1-10		500	1289660001

The plug-in cross-connections ZQV 2.5/..., ZQV 4/... and ZQV 6/... can be used.

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

**ZDU 2.5N** **2.5 mm<sup>2</sup>**

Two connections



Width/Height/Depth	5.1 x 50.5 x 38.5
max. current / max. cond. cross-section	24 / 4
Max. clamping range	0.05...4

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	20.5
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>

6 kV / 3

A2 / V-0

CE KEMA06ATEX0271U

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
Note	

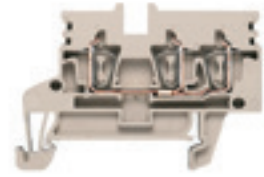
**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

**ZDU 2.5N/3AN** **2.5 mm<sup>2</sup>**

Three connections



Width/Height/Depth	5.1 x 56.5 x 38.5
max. current / max. cond. cross-section	24 / 4
Max. clamping range	0.05...4

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21.5
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>

6 kV / 3

A2 / V-0

CE KEMA06ATEX0271U

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5N	50	1933700000
ZDU 2.5N BL	50	1933710000

Type	Qty.	Order No.
ZDU 2.5N/3AN	50	1933720000
ZDU 2.5N/3AN BL	50	1933730000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N		20	1933790000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

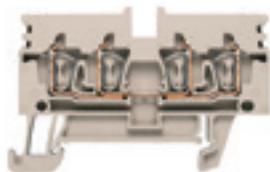
2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDU 2.5N/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 60 x 38.5  
24 / 4  
0.05...4



IEC 60947-7-1

II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>

6 kV / 3

A2 / V-0

CE

KEMA06ATEX0271U

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5N/4AN	50	1933740000
ZDU 2.5N/4AN BL	50	1933750000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N/4AN		50	1933810000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

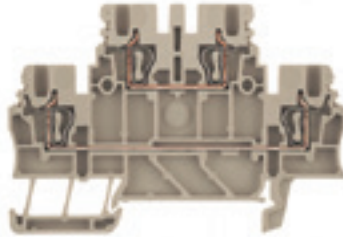
2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

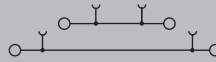
**ZDK 1.5**

1.5 mm<sup>2</sup>

Double-level terminal



3.5 x 75.5 x 49.5  
**17.5 / 1.5**  
**0.05...1.5**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

Version	
	dark beige
	blue
<b>Note</b>	

**Accessories**

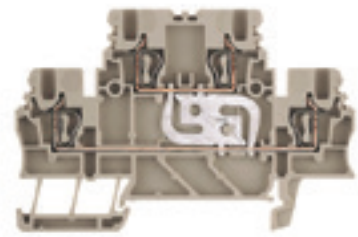
Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
Cover	
	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

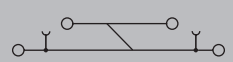
**ZDK 1.5V**

1.5 mm<sup>2</sup>

Vertically cross-connected double-level terminal



3.5 x 75.5 x 49.5  
**17.5 / 1.5**  
**0.05...1.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	600	
17.5	10	10	
1.5	AWG 28...16	AWG 28...16	
6 kV / 3			
B1 / V-0			
Rated connection			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.4 x 2.0 mm			

Type	Qty.	Order No.
ZDK 1.5V	100	1791130000
ZDK 1.5V BL	100	1791140000

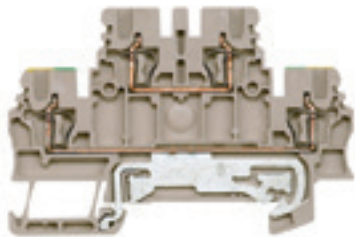
Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDK1.5		20	1791160000
ZAP/TW ZDK1.5 BL		20	1791170000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

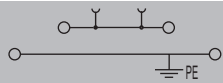
**ZDK 1.5 DU-PE**

**1.5 mm<sup>2</sup>**

Double-level terminal (DU-PE)



3.5 x 75.5 x 49.5  
**17.5 / 1.5**  
**0.05...1.5**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300		
17.5	10		
1.5	AWG 28...16	AWG 28...16	
6 kV / 3			
B1 / V-0			

CE

**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDK 1.5DU-PE	100	<b>1791120000</b>
Upper level: feed-through terminal Lower level: PE terminal		

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	<b>1776120000</b>
ZQV 1.5/10	17.5 A	20	<b>1776200000</b>
ZAP/TW ZDK1.5		20	<b>1791160000</b>
ZAP/TW ZDK1.5 BL		20	<b>1791170000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 5		25	<b>1776210000</b>
ZTA 5/ZA		25	<b>1776220000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
ZRH 1.5S/1		500	<b>1781950000</b>
ZAD 7/4		20	<b>1781940000</b>
DEK 5/3.5 MC NE WS		500	<b>1755270000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>

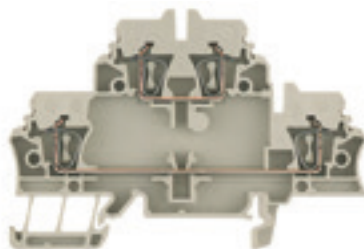
## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDK 2.5

2.5 mm<sup>2</sup>

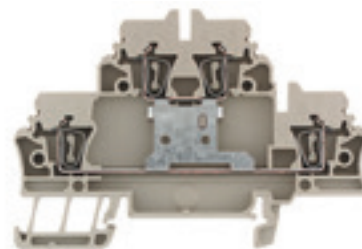
Double-level terminal



#### ZDK 2.5 V

2.5 mm<sup>2</sup>

Vertically cross-connected double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 79.5 x 53	
<b>20 / 2.5</b>	
<b>0.05...2.5</b>	

5.1 x 79.5 x 53	
<b>20 / 2.5</b>	
<b>0.05...2.5</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
500	300	300	275	500	300	300	275
20	15	25	18	20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>	2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
				6 kV / 3			
				A2 / V-0			
				KEMA97ATEX4677U			
Rated connection							
0.5...2.5							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
500	300	300	440	500	300	300	440
20	10	20		20	10	20	
2.5		AWG 26...12	2.5 mm <sup>2</sup>	2.5		AWG 26...12	2.5 mm <sup>2</sup>
				6 kV / 3			
				A2 / V-0			
				KEMA97ATEX4677U			
Rated connection							
0.5...2.5							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 2.5	50	1674300000
ZDK 2.5 BL	50	1678630000
ZBS 1 component plug ZBS 1 can be used for LED (1764550000).		

Type	Qty.	Order No.
ZDK 2.5V	50	1689990000
ZDK 2.5V BL	50	1745880000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 12/5 MC NE WS		720	1609860000

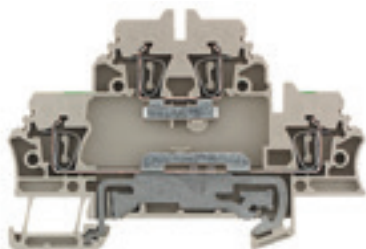
For detailed information on other accessories and application in the online catalogue

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

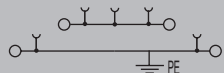
**ZDK 2.5 DU-PE**

**2.5 mm<sup>2</sup>**

Phase - PE conductor



5.1 x 79.5 x 53  
**24 / 2.5**  
**0.05...2.5**



IEC 60947-7-1 (-7-2)

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

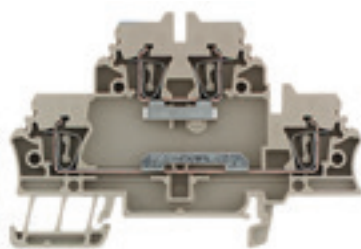
Type	Qty.	Order No.
ZDK 2.5DU-PE	50	<b>1689970000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZAP/TW ZDK2.5 BL		20	<b>1748800000</b>
ZEW 35		20	<b>9540000000</b>
ZTA ZDK 2.5		5	<b>1052660000</b>
ZTA ZDK 2.5/ZA		5	<b>1052680000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

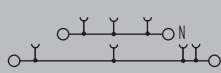
**ZDK 2.5 N-DU**

**2.5 mm<sup>2</sup>**

Neutral conductor - phase



5.1 x 79.5 x 53  
**23 / 2.5**  
**0.05...2.5**



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-DU	50	<b>1689960000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZAP/TW ZDK2.5 BL		20	<b>1748800000</b>
ZEW 35		20	<b>9540000000</b>
ZTA ZDK 2.5		5	<b>1052660000</b>
ZTA ZDK 2.5/ZA		5	<b>1052680000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

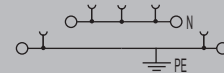
**ZDK 2.5 N-PE**

**2.5 mm<sup>2</sup>**

Neutral & PE conductor



5.1 x 79.5 x 53  
**24 / 2.5**  
**0.05...2.5**



IEC 60947-7-1 (-7-2)

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-PE	50	<b>1689980000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZAP/TW ZDK2.5 BL		20	<b>1748800000</b>
ZEW 35		20	<b>9540000000</b>
ZTA ZDK 2.5		5	<b>1052660000</b>
ZTA ZDK 2.5/ZA		5	<b>1052680000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

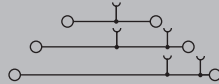
**ZDLD 2.5-2 N**

**2.5 mm<sup>2</sup>**

Three levels



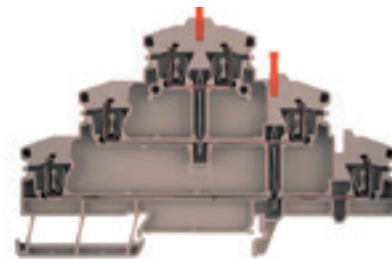
5.1 x 110.5 x 69  
**20 / 2.5**  
**0.08...2.5**



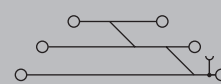
**ZDLD 2.5-2 VN**

**2.5 mm<sup>2</sup>**

Vertically cross-connected multi-level terminal



5.1 x 110.5 x 69  
**20 / 2.5**  
**0.08...2.5**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	
Note	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	
Note	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDLD 2.5-2N	50	1782300000
ZDLD 2.5-2N BL	50	1782310000

Type	Qty.	Order No.
ZDLD 2.5-2VN	25	1782320000
ZDLD 2.5-2VN BL	25	1782330000

**Accessories**

Vertical jumpers	
	1.5-pole
Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
	With „swift set“ cutting device
Reducing sleeves	
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
Identification systems	

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

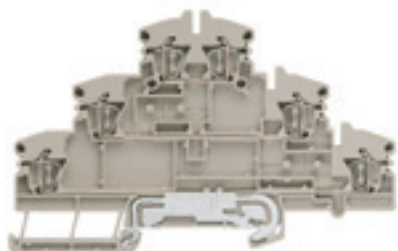
For detailed information on other accessories and application in the online catalogue

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

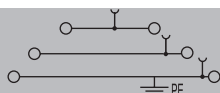


ZDLD 2.5-2 N PE/L/L

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69  
/ 2.5  
0.08...2.5



IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

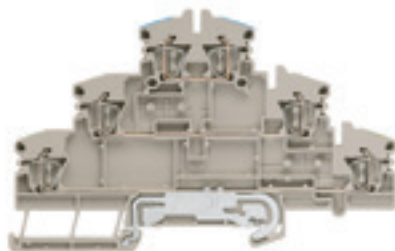
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/L	50	1131750000

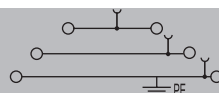
Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE/L/N

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69  
/ 2.5  
0.08...2.5



IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

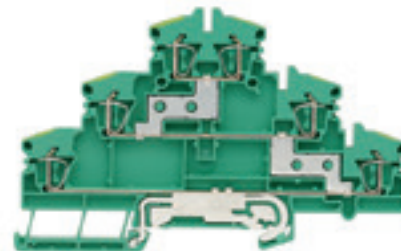
Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/N	50	1131760000

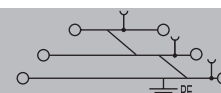
Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69



IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	
/ V-0			

Rated connection

Type	Qty.	Order No.
ZDLD 2.5-2N PE	50	1131740000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

ZVLD 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 148 x 85  
/ 2.5  
0.14...2.5



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
24			
2.5			
	6 kV / 3		
	A2 / V-0		

Note

#### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZVLD 2.5	50	1208920000

#### Accessories

Vertical jumpers	1.5-pole
Pluggable cross-connection	2-pole 10-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	Standard With spigot
Identification systems	

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP ZVLD 2.5		10	1210410000
ZEW 35/2		20	8630740000
ZTA ZVLD		50	1210390000
ZTA ZVLD/ZA		50	1271870000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZMAK 2.5**

2.5 mm<sup>2</sup>

Motor-supply terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 102 x 69.5
<b>31 / 4</b>
<b>0.13...4</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
24	25	25	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Ordering data**

Version	dark beige Wemid
Note	

**Accessories**

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Test adapter</b>	Standard
<b>Identification systems</b>	

Type	Qty.	Order No.
ZMAK 2.5	25	<b>1768000000</b>

Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	<b>1768010000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZTA 1		25	<b>1609040000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

**ZMAK 2.5 690 V**

2.5 mm<sup>2</sup>

Motor-supply terminal



6.1 x 102 x 69.5
<b>31 / 4</b>
<b>0.13...4</b>

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
690	300		
24	25		
2.5	AWG 26...12		
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZMAK 2.5 690V	25	<b>1027550000</b>

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!

Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	<b>1768010000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

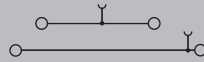
**ZDK 2.5-2**

**2.5 mm<sup>2</sup>**

Double-level terminal



5.1 x 72.5 x 54.5  
**24 / 4**  
**0.05...4**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
Note	

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

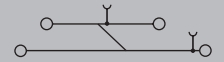
**ZDK 2.5-2V**

**2.5 mm<sup>2</sup>**

Vertical cross-connected double-level terminal



5.1 x 72.5 x 54.5  
**24 / 4**  
**0.05...4**



IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	600	600	550	800	600	300	550
24	20	25	20	24	20	25	22
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
				8 kV / 3			
				A2 / V-0			
CE				KEMA97ATEX4677U			
Rated connection							
0.5...4							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

Type	Qty.	Order No.
ZDK 2.5-2V	50	1791030000
ZDK 2.5-2V BL	50	1791040000
Rated voltage is reduced to 400 V when using the cross-connector.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2		20	1791050000
ZAP/TW ZDK2.5-2 BL		20	1791060000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDK 2.5-2/4

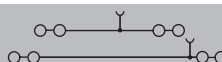
2.5 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 104 x 62  
**26 / 4**  
**0.05...4**



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
800	600		
22	20		
2.5	AWG 30...12		
	8 kV / 3		
	A2 / V-0		
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
2.5 mm <sup>2</sup> conductor with wire-end ferrules and plastic collar, with the collar optimised for diameter only (Order No. 1333100000 + 9004080000).			

Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 2.5-2/4AN BL	50	1480270000
ZDK 2.5-2/4AN	50	1394040000

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2/4AN		20	1394050000
ZEW 35		20	9540000000
ZTA ZT2.5/ZA		25	1847600000
SDS 0.6X3.5X100		10	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

# Spring connection with tension clamp technology (Z-Series)

## Feed-through terminal blocks

Universal range

A

### ZDKPE 2.5-2

2.5 mm<sup>2</sup>

Double-tier terminal with one-sided PE connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 89.5 x 59.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	300	
24	20	25	
2.5	AWG 26...12	AWG 30...12	
8 kV / 3			
A2 / V-0			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

#### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDKPE 2.5-2	50	<b>1805940000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
	With „swifty set“ cutting device
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDKPE2.5-2		25	<b>1805960000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
SWIFTY SET		1	<b>9006060000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZAD 1/4-2 GE		20	<b>1764560000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

### ZDKPE 2.5-2/N/L/PE

2.5 mm<sup>2</sup>

Double-tier terminal with one-sided PE connection



5.1 x 89.5 x 59.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 26...12		
8 kV / 3			
A2 / V-0			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDKPE 2.5-2/N/L/PE	50	<b>1895700000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDKPE2.5-2		25	<b>1805960000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
SWIFTY SET		1	<b>9006060000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZAD 1/4-2 GE		20	<b>1764560000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

**ZDK 4-2**

4 mm<sup>2</sup>

Double-level terminal



**ZDK 4-2 V**

4 mm<sup>2</sup>

Vertical cross-connected double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 77.6 x 60	
<b>32 / 6</b>	
<b>0.13...6</b>	

6.1 x 77.6 x 60	
<b>32 / 6</b>	
<b>0.13...6</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
Note			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
Note			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 4-2	50	<b>8670750000</b>
ZDK 4-2 BL	50	<b>8670850000</b>
Note		

Type	Qty.	Order No.
ZDK 4-2 V	50	<b>8671080000</b>
Note		

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP/TW ZDK4-2		50	<b>8670760000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>
Note			

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP/TW ZDK4-2		50	<b>8670760000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>
Note			

For detailed information on other accessories and application in the online catalogue

## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDK 4-2 DU/PE

4 mm<sup>2</sup>

Phase - PE conductor



#### ZDK 4-2/N/L

4 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 77.6 x 60	
<b>32 / 6</b>	
<b>0.13...6</b>	

6.1 x 77.6 x 60	
<b>32 / 6</b>	
<b>0.13...6</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
Note			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	25		
4	AWG 26...10		
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
Note			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 4-2/DU-PE	50	<b>8671120000</b>
Note		

Type	Qty.	Order No.
ZDK 4-2/N/L	50	<b>1905170000</b>
Note		
Upper level printed blue		

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
End plate / Partition plate			
ZAP/TW ZDK4-2		50	<b>8670760000</b>
End bracket			
ZEW 35		20	<b>9540000000</b>
Test adapter			
ZTA 6/ZA		25	<b>1780660000</b>
Screwdriver			
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
Cover			
ZAD 1/4		20	<b>1609110000</b>
Identification systems			
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
End plate / Partition plate			
ZAP/TW ZDK4-2		50	<b>8670760000</b>
End bracket			
ZEW 35		20	<b>9540000000</b>
Test adapter			
ZTA 6/ZA		25	<b>1780660000</b>
Screwdriver			
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
Cover			
ZAD 1/4		20	<b>1609110000</b>
Identification systems			
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue



ZDK 4-2/2AN

4 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 78 x 60	
/ 6	
0.13...6	

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
800			
32			
4	AWG 26...10		
	/ 3		
	A3 / V-0		
<b>UL</b>			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

Note

### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDK 4-2/2AN	50	1119700000

### Accessories

<b>Cover</b>	With lightning flash symbol
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAD 1/4		20	1609110000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue

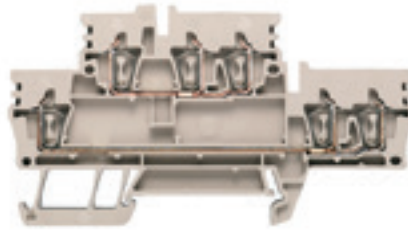
## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDK 2.5/3AN

2.5 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 50.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	300	300	550	800	300	300	550
24	20	24	21	24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
				8 kV / 3			
				A2 / V-0			
CE				KEMA06ATEX0271U			
Rated connection							
0.5...4 / 0.5...2.5							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 2.5/3AN	50	1924510000
ZDK 2.5/3AN BL	50	1924500000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

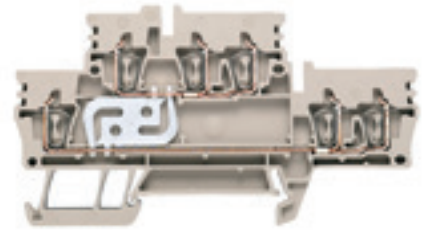
For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

#### ZDK 2.5/3AN V

2.5 mm<sup>2</sup>

Vertical cross-connected double-level terminal



5.1 x 93 x 50.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	300	300	550	800	300	300	550
24	20	24	21	24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
				8 kV / 3			
				A2 / V-0			
CE				KEMA06ATEX0271U			
Rated connection							
0.5...4 / 0.5...2.5							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

Type	Qty.	Order No.
ZDK 2.5/3AN V	50	1924490000
ZDK 2.5/3AN V BL	50	1924480000

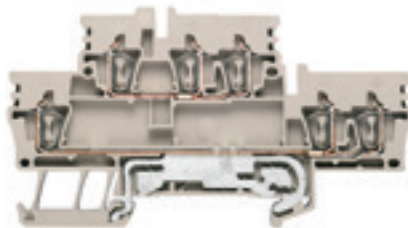
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 2.5/3AN DU-PE

2.5 mm<sup>2</sup>

Double-level terminal (DU-PE)



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 50.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1 (-7-2)		II 2 G D	
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
		KEMA06ATEX0271U	
<b>Rated connection</b>			
0.5...4 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

**Note**

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDK 2.5/3AN DU-PE	50	1924460000

Accessories

<b>Pluggable cross-connection</b>	2-pole
	10-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard
	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

## Spring connection with tension clamp technology (Z-Series)

### PE terminal blocks

#### ZPEA 2.5-2

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 35 x 30	
/ 4	
0.13...4	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>				
500							
6							
				300 A (2.5 mm <sup>2</sup> )			
				3			
				A2 / V-0			
CE							
<b>Rated connection</b>							
0.5...4							
0.5...2.5 / 0.5...1.5							
10 / 0.6 x 3.5 mm							
TS 15 - sliced construction							

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Identification systems</b>	

Type	Qty.	Order No.
ZPEA 2.5-2	100	1720950000

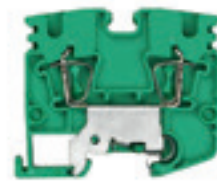
Type	current	Qty.	Order No.
ZAP/TW ZDUA		50	1720960000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

#### ZPEA 2.5-2N

2.5 mm<sup>2</sup>

Two connections



5.1 x 42.5 x 35	
/ 4	
0.13...4	

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			
CE			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - sliced construction			

Type	Qty.	Order No.
ZPEA 2.5-2N	100	1808210000

Type	current	Qty.	Order No.
ZAP/TW ZDUA2.5-2N		50	1808170000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPEB 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 33.5 x 31  
/ 4  
0.13...4

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm
TS 15 - block construction

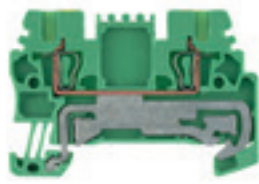
Type	Qty.	Order No.
ZPEB 2.5-2	100	1712810000

Type	current	Qty.	Order No.
ZAP ZDUB		50	1704750000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 1.5

1.5 mm<sup>2</sup>

Two connections



3.5 x 54.5 x 36.5  
/ 1.5  
0.05...1.5

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
B1 / V-0			

CE

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

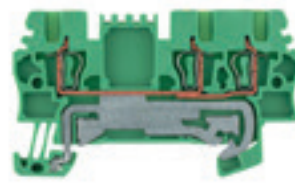
Type	Qty.	Order No.
ZPE 1.5	100	1775510000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/2AN		20	1776030000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

ZPE 1.5/3AN

1.5 mm<sup>2</sup>

Three connections



3.5 x 63 x 36.5  
/ 1.5  
0.05...1.5

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
B1 / V-0			

CE

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5/3AN	100	1775560000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/3AN		20	1776060000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

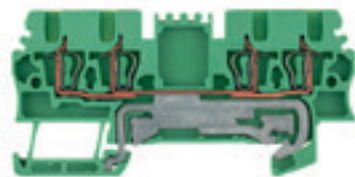
Universal range

A

### ZPE 1.5/4AN

1.5 mm<sup>2</sup>

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 75.5 x 36.5	
/ 1.5	
0.05...1.5	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...12	1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
B1 / V-0			

CE

Rated connection	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
0.5...0.75	
10 / 0.4 x 2.0 mm	

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	green/yellow
Note	

#### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	Standard With spigot
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

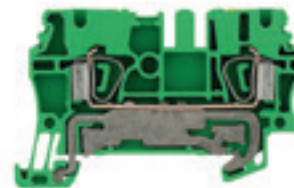
Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/4AN		20	1776090000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007110000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

### ZPE 2.5

2.5 mm<sup>2</sup>

Two connections



5.1 x 63 x 38.5	
/ 4	
0.05...4	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZPE 2.5	100	1608640000

Type	current	Qty.	Order No.
ZAP/TW 1		50	1608740000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

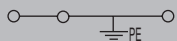
ZPE 2.5/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 64.5 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...4  
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

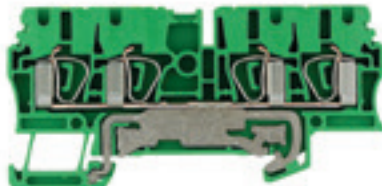
Type	Qty.	Order No.
ZPE 2.5/3AN	100	1608650000

Type	current	Qty.	Order No.
ZAP/TW 2 DB		50	1608770000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 2.5/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 79.5 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...4  
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

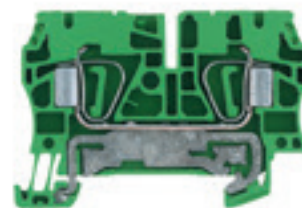
Type	Qty.	Order No.
ZPE 2.5/4AN	100	1608660000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 4

4 mm<sup>2</sup>

Two connections



6.1 x 64 x 43  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

**Rated connection**  
0.5...6 / 1.5...6  
0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4	100	1632080000

Type	current	Qty.	Order No.
ZAP/TW 4		50	1632090000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

A

### ZPE 4/3 AN

4 mm<sup>2</sup>

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 85.5 x 43	
/ 6	
0.13...6	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2				Ex e II  II 2 G D	
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>		
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>		
800					
8					
				480 A (4 mm <sup>2</sup> )	
				3	
				A4 / V-0	
CE					
<b>Rated connection</b>					
0.5...6 / 0.5...6					
0.5...6 / 0.5...4					
12 / 0.6 x 3.5 mm					

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Identification systems</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 4/3AN	50	7904170000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW 4/3AN		20	7904100000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

### ZPE 4/4 AN

4 mm<sup>2</sup>

Four connections



6.1 x 104.5 x 43	
/ 6	
0.13...6	

IEC 60947-7-2				Ex e II  II 2 G D	
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>		
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>		
800					
8					
				480 A (4 mm <sup>2</sup> )	
				3	
				A4 / V-0	
CE					
<b>Rated connection</b>					
0.5...6 / 0.5...6					
0.5...6 / 0.5...4					
12 / 0.6 x 3.5 mm					

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 4/4AN	50	7904280000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW4/4AN		20	7904210000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue



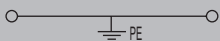
ZPE 6

6 mm<sup>2</sup>

Two connections



8.1 x 65 x 45  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

CE

**Rated connection**

0.5...10 / 1.5...10  
0.5...10 / 0.5...6

13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6	50	1608670000

Type	current	Qty.	Order No.
ZAP/TW 5		50	1608830000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS	800		1856740000
WS 12/6 MC NE WS	600		1609900000
DEK 5/8 MM WS	500		2007130000
WS 8/8 MM WS	500		2007170000

ZPE 6/3 AN

6 mm<sup>2</sup>

Three connections



8.1 x 90 x 45  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

CE

**Rated connection**

0.5...10 / 1.5...10  
0.5...10 / 0.5...6

13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6/3AN	50	7907400000

Type	current	Qty.	Order No.
ZAP/TW6/3AN		20	7907370000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS	800		1856740000
WS 12/6 MC NE WS	600		1609900000
DEK 5/8 MM WS	500		2007130000
WS 8/8 MM WS	500		2007170000

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

A

### ZPE 10

10 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10.1 x 73.5 x 49.5	
/ 16	
1.31...16	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			
<b>Rated connection</b>			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
18 / 1.0 x 5.5 mm			
<b>Note</b>			

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 10	25	1746770000
<b>Note</b>		

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

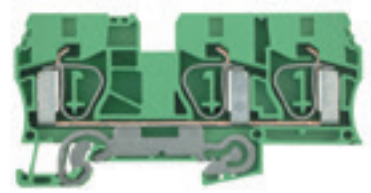
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW ZDU10		20	1748660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6 MC NE WS	600		1609900000

For detailed information on other accessories and application in the online catalogue

### ZPE 10/3 AN

10 mm<sup>2</sup>

Three connections



10.1 x 99 x 49.5	
/ 16	
1.31...16	

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			
<b>Rated connection</b>			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
18 / 1.0 x 5.5 mm			
<b>Note</b>			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 10/3AN	20	1767670000
<b>Note</b>		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW 10/16		20	1749580000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6 MC NE WS	600		1609900000

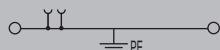
ZPE 16

16 mm<sup>2</sup>

Two connections



12.1 x 82.5 x 50.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
A7 / V-0			

CE

Rated connection

1.5...16 / 1.5...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16	25	1745250000

Type	current	Qty.	Order No.
ZAP/TW ZDU16		20	1745150000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

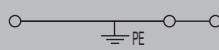
ZPE 16/3AN

16 mm<sup>2</sup>

Three connections



12.1 x 99 x 50.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
A7 / V-0			

CE

Rated connection

1.5...16 / 1.5...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16/3AN	20	1768310000

Type	current	Qty.	Order No.
ZAP/TW 10/16		20	1749580000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

ZPE 35

35 mm<sup>2</sup>

Two connections



16 x 100.5 x 58.5  
/ 35  
2.5...35



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
800			
8			
4200 A (35 mm <sup>2</sup> )			
3			
A8 / V-0			

CE

Rated connection

2.5...16 / 2.5...35  
2.5...35 / 2.5...35

25 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 35	10	1739650000

Integrated end plate.

Type	current	Qty.	Order No.
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

The plug-in cross-connections ZDV 16/2 (1739690000) can be used.

The plug-in cross-connections ZDV 35/2 (1739700000) can be used.

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

A

### ZPE 2.5-2

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 43.5	/ 4	
0.13...4		

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-2				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>				
800							
8							
				300 A (2.5 mm <sup>2</sup> )			
				3			
				A2 / V-0			
CE							
<b>Rated connection</b>							
0.5...4							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 2.5-2	100	1772090000

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

### ZPE 2.5-2/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 50.5 x 43.5	/ 4	
0.13...4		

IEC 60947-2				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>				
800							
8							
				300 A (2.5 mm <sup>2</sup> )			
				3			
				A2 / V-0			
CE							
<b>Rated connection</b>							
0.5...4							
0.5...2.5 / 0.5...2.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 2.5-2/3AN	100	1706090000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC SDR		200	1609810000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZPE 2.5-2/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 50.5 x 43.5  
/ 4  
0.13...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

**Rated connection**  
0.5...4  
0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPE 2.5-2/4AN	100	1706110000

Type	current	Qty.	Order No.
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

**ZPE 4-2/2AN**

**4 mm<sup>2</sup>**

Two connections



6.1 x 61.5 x 45.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...6  
0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/2AN	100	1770380000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

**ZPE 4-2/3AN**

**4 mm<sup>2</sup>**

Three connections



6.1 x 61.5 x 45.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...6  
0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/3AN	100	1770390000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

A

### ZPE 4-2/4 AN

4 mm<sup>2</sup>

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 75 x 45.5	
/ 6	
0.13...6	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>				
800							
8							
				480 A (4 mm <sup>2</sup> )			
				3			
				A3 / V-0			
<b>Rated connection</b>							
0.5...6							
0.5...4 / 0.5...4							
10 / 0.6 x 3.5 mm							

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

### ZPE 6-2/2AN

6 mm<sup>2</sup>

Two connections



8.1 x 68 x 49.19	
/ 10	
0.22...10	

IEC 60947-7-2				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>				
800							
8							
				720 A (6 mm <sup>2</sup> )			
				3			
				A5 / V-0			
<b>Rated connection</b>							
0.5...10							
0.5...10 / 0.5...6							
12 / 0.6 x 3.5 mm							

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZPE 6-2/2AN	50	1771370000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

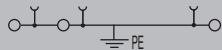
**ZPE 6-2/3AN**

**6 mm<sup>2</sup>**

Three connections



8.1 x 68 x 49.19  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

CE

**Rated connection**  
0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6-2/3AN	50	1771360000

Type	current	Qty.	Order No.
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

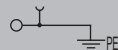
**ZPE 16-2/1AN**

**16 mm<sup>2</sup>**

Supply terminal - PE



12 x 65 x 50.5  
/ 25  
1.5...25



In accordance with IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 26...14	
800			
8			
	1920 A (16 mm <sup>2</sup> )		
	3		
	A7 / V-0		

CE

**Rated connection**  
1.5...10 / 16...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	current	Qty.	Order No.
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000

The plug-in cross-connections ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used.

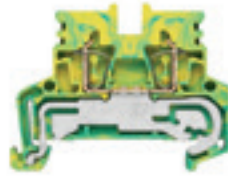
# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

### ZPE 2.5N

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 38.5
/ 4
0.05...4

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2				II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	
800				
6				
300 A (2.5 mm <sup>2</sup> )				
3				
A2 / V-0				
CE				
<b>Rated connection</b>				
0.5...4 / 1.5...2.5				
0.5...2.5 / 0.5...1.5				
10 / 0.6 x 3.5 mm				
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZPE 2.5N	50	1933760000

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N		20	1933790000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

### ZPE 2.5N/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 56.5 x 38.5
/ 4
0.05...4

IEC 60947-7-2				II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	
800				
6				
300 A (2.5 mm <sup>2</sup> )				
3				
A2 / V-0				
CE				
<b>Rated connection</b>				
0.5...4 / 1.5...2.5				
0.5...2.5 / 0.5...1.5				
10 / 0.6 x 3.5 mm				
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				

Type	Qty.	Order No.
ZPE 2.5N/3AN	50	1933770000

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



ZPE 2.5N/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 60 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
800			
6			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPE 2.5N/4AN	50	1933780000

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/4AN		50	1933810000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

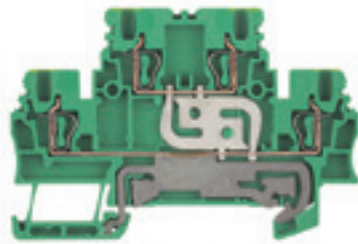
Universal range

A

### ZDK 1.5 PE

1.5 mm<sup>2</sup>

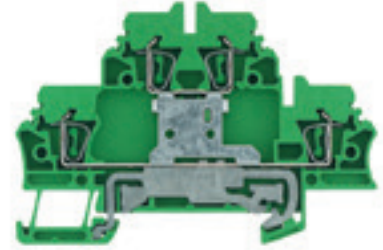
Double-level terminal



### ZDK 2.5 PE

2.5 mm<sup>2</sup>

Vertically cross-connected



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 75.5 x 49.5	
/ 1.5	
0.05...1.5	

5.1 x 79.5 x 53	
/ 2.5	
0.05...2.5	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1.5	AWG 28...16	AWG 28...16	
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	B1 / V-0		
CE			
<b>Rated connection</b>			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
0.5...0.75			
10 / 0.4 x 2.0 mm			

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
500			
6			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A2 / V-0		
CE			
<b>Rated connection</b>			
0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDK 1.5PE	100	1791150000

Type	Qty.	Order No.
ZDK 2.5PE	50	1690000000

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW ZDK1.5		20	1791160000
ZEW 35		20	9540000000
ZTA 5/ZA		25	1776220000
ZTA 5		25	1776210000
ZRH 1.5S/1		500	1781950000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

Type	current	Qty.	Order No.
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 PLUS MC NE GE		1000	1907520000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZDK 2.5-2PE**

**2.5 mm<sup>2</sup>**

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 72.5 x 54.5	
/ 4	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2				II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
2.5	AWG 26...12	AWG 30...12	2.5 mm <sup>2</sup>				
800							
8							
				300 A (2.5 mm <sup>2</sup> )			
				3			
				A2 / V-0			
CE							
<b>Rated connection</b>							
0.5...4							
0.5...2.5 / 0.5...1.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDK 2.5-2PE	50	<b>1791010000</b>

**Accessories**

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW ZDK2.5-2		20	<b>1791050000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

**ZDK 4-2 PE**

**4 mm<sup>2</sup>**

Four connections



6.1 x 77.6 x 60	
/ 6	
<b>0.13...6</b>	

IEC 60947-7-2			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
4	AWG 26...10	AWG 26...10	
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			
CE			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

Type	Qty.	Order No.
ZDK 4-2 PE	50	<b>8671050000</b>

Type	current	Qty.	Order No.
ZAP/TW ZDK4-2		50	<b>8670760000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

## Spring connection with tension clamp technology (Z-Series)

### PE terminal blocks

#### ZDK 2.5/3AN PE

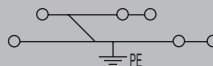
2.5 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 50.5  
/ 4  
0.05...4



#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2

II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A2 / V-0		

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

CE

#### Rated connection

0.5...4 / 0.5...2.5  
0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

#### Note

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDK 2.5/3AN PE	50	1924470000

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35/2		20	8630740000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 2.5

2.5 mm<sup>2</sup>

For metric fuses 5 x 20 mm



#### ZSI 2.5

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73

6.3 / 4

0.13...4



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	600 (C)	
6.3	10	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			

CE, RoHS, REACH, VDE, TÜV

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
0.6 x 3.5 mm	
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.	

#### Ordering data

Version	
	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5	50	1616400000
The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.		

#### Accessories

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
	dark beige
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 3		50	1608800000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	Order No.
ZSI 2.5	1616400000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	52 °C	4.0 W / 6.3 A	27 °C	2.5 W / 2.5 A
In combination	55 °C	2.5 W / 6.3 A	41 °C	1.6 W / 6.3 A

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.

ZSI 2.5 LED

2.5 mm<sup>2</sup>

For metric fuses 5 x 20 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73	
6.3 / 4	
0.13...4	

Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
<b>Note</b>	

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
6.3			
2.5	AWG 26...12	AWG 26...12	
		6 kV / 3	
		V-0	
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
0.6 x 3.5 mm			
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.			

Ordering data

<b>Version</b>	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZSI 2.5/LD 28AC	50	1616440000
ZSI 2.5/LD 60AC	50	1616430000
ZSI 2.5/LD 120AC	50	1616420000
ZSI 2.5/LD 250AC	50	1616410000
The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.		

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>G25 with indicator / imperial (inch) fuse</b>	
	0.50 A medium slow / 2 A
	1.00 A medium slow / 3 A
	2.00 A fast / 5 A
	4.00 A fast / 10 A
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 3		50	1608800000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

ZSI 2.5/5x25

2.5 mm<sup>2</sup>

For metric fuses 5 x 25 mm



7.9 x 79.5 x 73	
6.3 / 4	
0.13...4	

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
6.3			
2.5			
		6 kV / 3	
		V-0	
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
0.6 x 3.5 mm			
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZSI 2.5/5X25	50	1730900000
The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 3		50	1608800000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
G 25/0.50A/M WS		10	0510300000
G 25/1.00A/M RT		10	0265800000
G 25/2.00A/F BL		10	0192700000
G 25/4.00A/F BR		10	0192800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.

## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 2.5/2

2.5 mm<sup>2</sup>

For imperial fuses



#### ZSI 2.5/2

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 79.5 x 73

12 / 4

0.13...4



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
12	16	15	
2.5	AWG 26...12	AWG 26...12	
			6 kV / 3
			V-0

CE, RoHS, REACH, UL

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
0.6 x 3.5 mm	
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.	

#### Ordering data

Version	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5/2 500AC	10	1616460000
The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.		

#### Accessories

Pluggable cross-connection	
2-pole	
4-pole	
End plate / Partition plate	
dark beige	
Screwdriver	
Standard	
G25 with indicator / imperial (inch) fuse	
4.00 A fast / 10 A	
Identification systems	

Type	current	Qty.	Order No.
ZQS 2.5/2	10 A	20	1633200000
ZQS 2.5/4	10 A	20	1633220000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
GZ 10.0A		10	0293900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	Order No.
ZSI 2.5/2 500AC	1616460000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	46 °C	4.0 W / 10.0 A	40 °C	2.5 W / 2.5 A
In combination	72 °C	2.5 W / 2.5 A	29 °C	2.5 W / 2.5 A

For detailed information on other accessories and application in the online catalogue

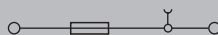
Status display using a bi-directional LED. With use of inch fuse cartridges.



ZSI 2.5/2 LED

2.5 mm<sup>2</sup>

For imperial fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 79.5 x 73  
**12 / 4**  
**0.13...4**

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
12			
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			
CE			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
0.6 x 3.5 mm			

**Note**

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

**Ordering data**

Version	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
ZSI 2.5/2/LD 28AC	10	1616470000
ZSI 2.5/2/LD 60AC	10	1616480000
ZSI 2.5/2/LD 120AC	10	1616490000
ZSI 2.5/2/LD 250AC	10	1616500000

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

**Accessories**

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
Screwdriver	
	Standard
G25 with indicator / imperial (inch) fuse	
	4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
ZQS 2.5/2	10 A	20	1633200000
ZQS 2.5/4	10 A	20	1633220000
ZAP TNHE/ZSI2.5			
		25	1610840000
SDIS SL 0.6X3.5X100			
		1	1274660000
GZ 10.0A			
		10	0293900000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/5 MC NE WS			
		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.

# Spring connection with tension clamp technology (Z-Series)

## Fuse terminal blocks

Universal range

A

### ZSI 2.5 2x2 AN

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



### ZSI 2.5 2x2 AN

2.5 mm<sup>2</sup>

For metric fuses 5 x 25



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55	
<b>10 / 4</b>	
<b>0.13...4</b>	

12.2 x 68 x 55	
<b>10 / 4</b>	
<b>0.13...4</b>	

### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
			4 kV / 3
			V-0

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
			4 kV / 3
			V-0

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

The rated voltage of the fuse must not be exceeded. UL & CSA D = 600 V / 5 A

### Ordering data

Version	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G20	20	1826050000

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25  
G 25 LED versions on request

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G25	20	1826200000

G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25  
G25 LED types on request

### Accessories

Pluggable cross-connection		2-pole
End plate / Partition plate		End plate, Wemid
Screwdriver		Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)		0.25 A fast 0.50 A fast 1.00 A fast 2.00 A fast
Identification systems		
G25 with indicator / imperial (inch) fuse		0.50 A medium slow / 2 A 1.00 A medium slow / 3 A 2.00 A fast / 5 A 4.00 A fast / 10 A

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDS 0.6X3.5X100		10	9008330000
WS 10/5 MC NE WS		720	1635000000
G 25/0.50A/M WS		10	0510300000
G 25/1.00A/M RT		10	0265800000
G 25/2.00A/F BL		10	0192700000
G 25/4.00A/F BR		10	0192800000

For detailed information on other accessories and application in the online catalogue

Status display via an LED.

Status indication via neon lamp.

## ZSI 2.5-2

### Overload and short-circuit protection

### ZSI 2.5-2 / G20

Type	Order No.
ZSI 2.5-2/2X2AN/G20	1826050000
ZSI 2.5-2/2X2AN/G20/GL	1826030000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>a</sub> max.	Nominal values	T <sub>a</sub> max.	Nominal values
Individual			39 °C	2.5 W / 6.3 A
In combination			41 °C	1.6 W / 6.3 A

### ZSI 2.5-2 / G25

Type	Order No.
ZSI 2.5-2/2X2AN/G25	1826200000
ZSI 2.5-2/2X2AN/G25/GL	1826090000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>a</sub> max.	Nominal values	T <sub>a</sub> max.	Nominal values
Individual	60 °C			
In combination	47 °C			

## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 2.5 2x2 AN LED

2.5 mm<sup>2</sup>

For metric fuses 5 x 20

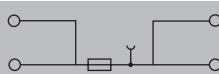


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55

10 / 4

0.13...4



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
	300 (C)		
10	10		
2.5	AWG 26...12	AWG 26...12	
			4 kV / 3
			V-0

CE

#### Rated connection

0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

#### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
<b>Note</b>	

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G20/LD1	20	1867440000
ZSI 2.5-2/2X2AN/G20/LD3	20	1867420000
ZSI 2.5-2/2X2AN/G20/LD4	20	1879730000

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25  
G 25 LED versions on request

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
<b>End plate / Partition plate</b>	
	End plate, Wemid
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
<b>ZAP ZDU6-2 SW</b>			
		50	1814710000
<b>SDIS SL 0.6X3.5X100</b>			
		1	1274660000
<b>G 20/0.25A/F</b>			
		10	0430500000
<b>G 20/0.50A/F</b>			
		10	0430600000
<b>G 20/1.00A/F</b>			
		10	0430700000
<b>G 20/2.00A/F</b>			
		10	0430900000
<b>DEK 5/5 MC NE WS</b>			
		1000	1609801044
<b>WS 10/5 MC NE WS</b>			
		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display via an LED.



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 6-2

6 mm<sup>2</sup>

For metric fuses 5 x 20



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55	
<b>10 / 10</b>	
<b>0.13...10</b>	

#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
4 kV / 3			
V-0			

CE

Rated connection	
0.5...10	0.5...4
0.5...10 / 0.5...6	
0.6 x 3.5 mm	
The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.	

#### Ordering data

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	140-250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G20	20	1820930000
G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

#### Accessories

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	End plate, Wemid
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.50 A fast
	1.00 A fast
	2.00 A fast
	0.25 A fast
G25 with indicator / imperial (inch) fuse	
	2.00 A fast / 5 A
	4.00 A fast / 10 A
	1.00 A medium slow / 3 A
	0.50 A medium slow / 2 A
Identification systems	
DEK 5/5 MC NE WS	1000 1609801044
WS 10/5 MC NE WS	720 1635000000

For detailed information on other accessories and application in the online catalogue

Status display via an LED.

#### ZSI 6-2

Overload and short-circuit protection

#### ZSI 6-2 2x2.5 / G20

Type	Order No.
ZSI 6-2 2X2.5/G20	1820930000
ZSI 6-2 2X2.5/G20/GL	1820860000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual			37 °C	2.5 W / 6.3 A
In combination			40 °C	1.6 W / 6.3 A

#### ZSI 6 2x2.5 / G25

Type	Order No.
ZSI 6-2 2X2.5/G25	1820950000
ZSI 6-2 2X2.5/G25/GL	1820940000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	60 °C			
In combination	47 °C			

Status display via an LED.

ZSI 6-2 2x2.5

6 mm<sup>2</sup>

For metric fuses 5 x 20 / 5 x 25



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55	
<b>10 / 10</b>	
<b>0.13...10</b>	

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

Ordering data

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	140-250 V AC/DC, with LED
Note	

Accessories

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	End plate, Wemid
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.50 A fast
	1.00 A fast
	2.00 A fast
	0.25 A fast
G25 with indicator / imperial (inch) fuse	
	2.00 A fast / 5 A
	4.00 A fast / 10 A
	1.00 A medium slow / 3 A
	0.50 A medium slow / 2 A
Identification systems	

For detailed information on other accessories and application in the online catalogue

ZSI 6-2 LED

6 mm<sup>2</sup>

For metric fuses 5 x 20



12.2 x 68 x 55	
<b>10 / 10</b>	
<b>0.13...10</b>	

IEC 60947-7-3			
IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
4 kV / 3			
V-0			
Rated connection			
0.5...10		0.5...4	
0.5...10 / 0.5...6			
0.6 x 3.5 mm			
The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A3 terminal points AWG 26-12, A5 terminal points AWG 20-8.			

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G20/LD1	20	1867500000
ZSI 6-2 2X2.5/G20/LD4	20	1879750000
G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDS 0.8X4.0X100		1	9008340000
SDIS SL 0.8X4.0X100		1	1274670000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
G 20/0.25A/F		10	0430500000
G 25/2.00A/F BL		10	0192700000
G 25/4.00A/F BR		10	0192800000
G 25/1.00A/M RT		10	0265800000
G 25/0.50A/M WS		10	0510300000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Status indication via neon lamp.

Status display via an LED.

## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 6-2/FC

6 mm<sup>2</sup>

For car fuses



#### ZSI 6-2/FC

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 70 x 50
<b>30 / 10</b>
<b>0.33...10</b>



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

DIN 72581-3, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
30		25	
6	AWG 22...10	AWG 22...10	
			6 kV / 3
			V-0

CE   

Rated connection	
0.5...10	
0.5...10 / 0.5...6	
4.0 x 0.8 mm	
Note	
Fuse continuous current max. 80 % IN.	

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
ZSI 6-2/FC	25	<b>1814690000</b>
ZSI 6-2/FC LD	25	<b>1814700000</b>
Note		
Automotive fuses are not available from Weidmüller.		

#### Accessories

Pluggable cross-connection	
2-pole	
4-pole	
End plate / Partition plate	
End plate, Wemid	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	<b>1627850000</b>
ZQV 6/4 GE	41 A	60	<b>1627870000</b>
ZAP ZDU6-2 SW			
		50	<b>1814710000</b>
SDIS SL 0.8X4.0X100			
		1	<b>1274670000</b>
DEK 5/6 MC NE WS			
		1000	<b>1609820000</b>
WS 12/6 MC NE WS			
		600	<b>1609900000</b>

Type	Order No.
ZSI 6-2/FC	<b>1814690000</b>

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	24 °C	3,0 W / 30 A	*	*
In combination	28 °C	1,90 W / 24 A (30 A)**	*	*

\*) Values not available  
 \*\*) According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
 => The 30 A fuse can be loaded to a maximum 24 A

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of Pudenz fuses.





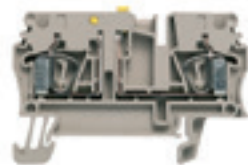
## Spring connection with tension clamp technology (Z-Series)

### Test-disconnect terminal blocks

#### ZTR 2.5

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59.5 x 38.5
<b>20 / 4</b>
<b>0.05...4</b>



#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	dark beige
	blue
Note	

#### Accessories

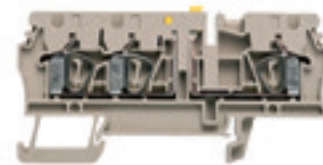
Pluggable cross-connection	
	2-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Test adapter	
	Standard
	With spigot
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

For detailed information on other accessories and application in the online catalogue


#### ZTR 2.5/3AN

2.5 mm<sup>2</sup>

Three connections





5.1 x 79.5 x 38.5
<b>20 / 4</b>
<b>0.05...4</b>



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
20	20	10	
2.5	AWG 30...12	AWG 26...12	
			6 kV / 3
			A3 / V-0



  

CE  			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
20	20	20	
2.5	AWG 30...12	AWG 30...12	
			6 kV / 3
			A3 / V-0

CE  			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZTR 2.5	100	1831280000
ZTR 2.5 BL	100	8731710000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 1		50	1608740000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

Type	Qty.	Order No.
ZTR 2.5/3AN	100	8731720000
ZTR 2.5/3AN BL	100	8731730000

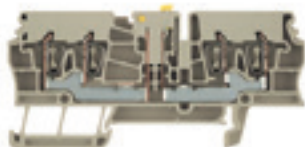
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

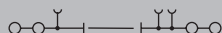
**ZTR 2.5/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 82.5 x 38.5  
**16 / 2.5**  
**0.05...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5/4AN	100	7920900000
ZTR 2.5/4AN BL	100	7920930000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

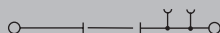
**ZTR 2.5-2**

**2.5 mm<sup>2</sup>**

Two connections



5.1 x 50.5 x 43.5  
**21 / 2.5**  
**0.13...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5-2	100	1779010000
ZTR 2.5-2 BL	100	1779120000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.

**ZTR 6-2**

**6 mm<sup>2</sup>**

Two connections



8.1 x 70 x 50  
**32 / 10**  
**0.05...10**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300		
32	25		
6	AWG 22...8		
8 kV / 3			
A5 / V-0			

CE

**Rated connection**

0.5...10 / 0.5...6  
0.5...6 / 0.5...6

12 / 0.6 x 3.5 mm

With plugged ZQV, 500 V and 6 kV. If the disconnect lever is replaced by an SIHA 3, the result is a fuse terminal.

Type	Qty.	Order No.
ZTR 6-2	50	1023830000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

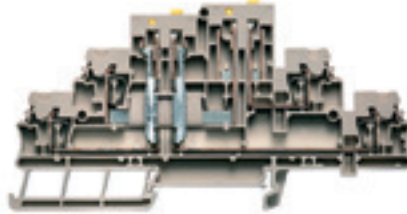
If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.

**Spring connection with tension clamp technology (Z-Series)**  
**Test-disconnect terminal blocks**

**ZDTR 2.5**

**2.5 mm<sup>2</sup>**

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 117 x 67	
<b>16 / 4</b>	
<b>0.13...4</b>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDTR 2.5	20	<b>1745400000</b>
ZDTR 2.5 BL	20	<b>1798330000</b>

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
AP ZDTR2.5		20	<b>1745420000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 2/G20 10-36V		25	<b>9543070000</b>
SIHA 2/G20 140-250V		25	<b>9537640000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

If the disconnect lever is replaced by the SIHA 2 (only on the top level), a fused terminal is created.



**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

Universal range

**A**

**ZT 2.5/2AN/1**

**2.5 mm<sup>2</sup>**

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 58 x 34.5
<b>24 / 4</b>
<b>0.13...4</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

	dark beige
	blue
Plug-in connector	
<b>Note</b>	

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	
<b>For detailed information on other accessories and application in the online catalogue</b>	

**ZT 2.5/3AN/1**

**2.5 mm<sup>2</sup>**

2 tension clamp connections / 1 pluggable connection



5.1 x 71.5 x 34.5
<b>24 / 4</b>
<b>0.13...4</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/2AN/1	50	1815070000
ZT 2.5/2AN/1 BL	50	1295550000
Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Qty.	Order No.
ZT 2.5/3AN/1	50	1815090000
ZT 2.5/3AN/1 BL	50	1304720000
Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

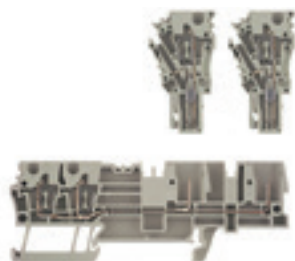
Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/2AN		50	1816030000
ZAP/TW ZT2.5/2AN OR		50	1816040000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/3AN		50	1816050000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

**ZT 2.5/4AN/2**

**2.5 mm<sup>2</sup>**

2 tension clamp connections / 2 pluggable connections



5.1 x 93 x 34.5  
**24 / 4**  
**0.13...4**



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
A2 / V-0			



**Rated connection**      **Plug-in connection**

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/2	50	<b>1815110000</b>

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	<b>1815190000</b>
ZP 2.5/1AN/QV/2	25	<b>1815200000</b>
ZP 2.5/1AN/QV/3	25	<b>1815210000</b>
ZP 2.5/1AN/QV/4	25	<b>1815220000</b>
ZP 2.5/1AN/QV/5	25	<b>1815230000</b>
ZP 2.5/1AN/QV/6	25	<b>1815240000</b>
ZP 2.5/1AN/QV/7	25	<b>1815250000</b>
ZP 2.5/1AN/QV/8	20	<b>1815260000</b>
ZP 2.5/1AN/QV/9	20	<b>1815270000</b>
ZP 2.5/1AN/QV/10	20	<b>1815280000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
ZAP/TW ZT2.5/4AN/2		50	<b>1816070000</b>
ZAP/TW ZT2.5/4AN/2 OR		50	<b>1816080000</b>
ZTA ZT2.5		25	<b>1827080000</b>
ZTA ZT2.5/ZA		25	<b>1847600000</b>
ZVR ZP2.5		25	<b>1816130000</b>
KOSF ZT2.5		50	<b>1816150000</b>
ZZE ZP2.5		25	<b>1816140000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC M SDR		144	<b>1792010000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

**ZT 2.5/4AN/4**

**2.5 mm<sup>2</sup>**

4 pluggable connections



5.1 x 85.5 x 34.5  
**24 /**



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
/ V-0			



**Rated connection**      **Plug-in connection**

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/4	50	<b>1815130000</b>

Type	Qty.	Order No.
ZP 2.5/1AN/1	50	<b>1815430000</b>
ZP 2.5/1AN/2	25	<b>1815440000</b>
ZP 2.5/1AN/3	25	<b>1815450000</b>
ZP 2.5/1AN/4	25	<b>1815500000</b>
ZP 2.5/1AN/5	25	<b>1815510000</b>
ZP 2.5/1AN/6	25	<b>1815520000</b>
ZP 2.5/1AN/7	25	<b>1815530000</b>
ZP 2.5/1AN/8	20	<b>1815540000</b>
ZP 2.5/1AN/9	20	<b>1815550000</b>
ZP 2.5/1AN/10	20	<b>1815560000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
ZAP/TW ZT2.5/4AN/4		50	<b>1816090000</b>
ZTA ZT2.5		25	<b>1827080000</b>
ZTA ZT2.5/ZA		25	<b>1847600000</b>
ZVR ZP2.5		25	<b>1816130000</b>
KOSF ZT2.5		50	<b>1816150000</b>
ZZE ZP2.5		25	<b>1816140000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

**ZT 4/2AN/1**

**4 mm<sup>2</sup>**

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.5 x 58 x 43
<b>32 / 6</b>
<b>0.13...6</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
800			
32	28	28	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

CSA current and voltage, acc. to Gr. C

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

	dark beige
	blue

**Plug-in connector**

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000

**Note**

**Accessories**

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	dark beige
	Orange
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

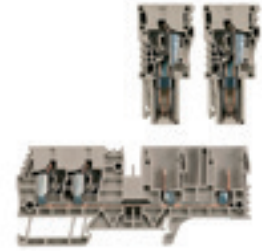
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP/TW ZT4/2AN		50	1855220000
ZAP/TW ZT4/2AN OR		50	1855230000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

**ZT 4/4AN/2**

**4 mm<sup>2</sup>**

2 tension clamp connections / 2 pluggable connections



6.5 x 100.5 x 43
<b>32 / 6</b>
<b>0.13...6</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
800			
32	28	28	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

CSA current and voltage, acc. to Gr. C

Type	Qty.	Order No.
ZT 4/4AN/2	50	1848350000

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000

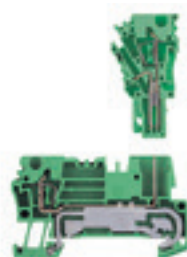
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP/TW ZT4/4AN/2		50	1848360000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000



ZTPE 2.5/2AN/1

2.5 mm<sup>2</sup>

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 58 x 34.5	/ 4	
0.13...4		

IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	green/yellow
Note	

Accessories

End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZTPE 2.5/2AN/1	50	1815080000

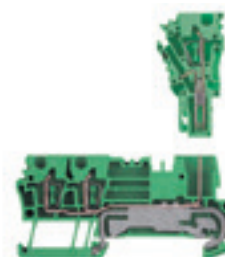
Type	current	Qty.	Order No.
ZAP/TW ZT2.5/2AN		50	1816030000
ZAP/TW ZT2.5/2AN OR		50	1816040000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZTPE 2.5/3AN/1

2.5 mm<sup>2</sup>

2 tension clamp connections / 1 pluggable connection



5.1 x 71.5 x 34.5	/ 4	
0.13...4		

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZTPE 2.5/3AN/1	50	1815100000

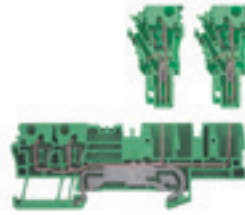
Type	current	Qty.	Order No.
ZAP/TW ZT2.5/3AN		50	1816050000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

**ZTPE 2.5/4AN/2**

**2.5 mm<sup>2</sup>**

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 34.5
/ 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

**Ordering data**

Version	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZTPE 2.5/4AN/2	50	1815120000

**Accessories**

End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

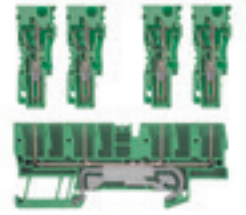
Type	current	Qty.	Order No.
ZAP/TW ZT2.5/4AN/2		50	1816070000
ZAP/TW ZT2.5/4AN/2 OR		50	1816080000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZTPE 2.5/4AN/4**

**2.5 mm<sup>2</sup>**

4 pluggable connections



5.1 x 85.5 x 34.5
/ 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZTPE 2.5/4AN/4	50	1815140000

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/4AN/4		50	1816090000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZTPE 4/2AN/1

4 mm<sup>2</sup>

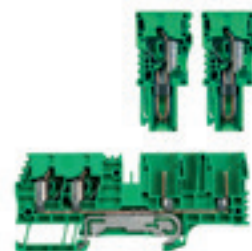
1 tension clamp connection / 1 pluggable connection



ZTPE 4/4AN/2

4 mm<sup>2</sup>

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

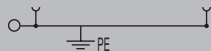
Ordering data

Version	green/yellow
<b>Note</b>	

Accessories

End plate / Partition plate	dark beige Orange
<b>Test adapter</b>	Standard
<b>Miscellaneous accessories WeiCoS</b>	Locking element Coding element Strain relief
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	
<b>DIN A4 sheets</b>	
<b>Group designation</b>	Protective strips transparent

6.5 x 58 x 43
/ 6
0.13...6



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
800			
480 (4 mm <sup>2</sup> )			
4	AWG 26...10	AWG 26...10	
		/ 3	
		A3 / V-0	

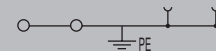
Rated connection		Plug-in connection	
0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTPE 4/2AN/1	50	1854970000

Type	current	Qty.	Order No.
ZAP/TW ZT4/2AN		50	1855220000
ZAP/TW ZT4/2AN OR		50	1855230000
ZTA ZT2.5		25	1827080000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ESO 7 DIN A4 WS		10	1607720000
STR 7 F.SCHT 7		20	0515300000

6.5 x 100.5 x 43
/ 6
0.13...6



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
800			
480 (4 mm <sup>2</sup> )			
4	AWG 26...10	AWG 26...10	
		/ 3	
		A3 / V-0	

Rated connection		Plug-in connection	
0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			

Type	Qty.	Order No.
ZTPE 4/4AN/2	50	1848330000

Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ESO 7 DIN A4 WS		10	1607720000
STR 7 F.SCHT 7		20	0515300000

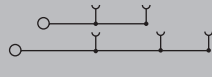
For detailed information on other accessories and application in the online catalogue

**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

**ZDT 2.5/2**

**2.5 mm<sup>2</sup>**

Two potentials feasible



5.1 x 80.5 x 52  
**24 / 4**  
**0.13...4**

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

	dark beige
Plug-in connector	
<b>Note</b>	

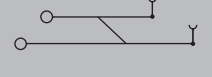
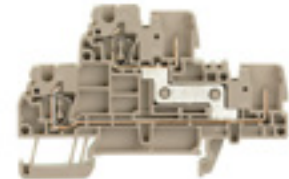
**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

**ZDT 2.5/2 V**

**2.5 mm<sup>2</sup>**



5.1 x 80.5 x 52  
**24 / 4**  
**0.13...4**

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
690			
24			
2.5			
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDT 2.5/2 V	50	1084770000
Type Qty. Order No.		
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Qty.	Order No.
ZDT 2.5/2	50	1815150000
Type Qty. Order No.		
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

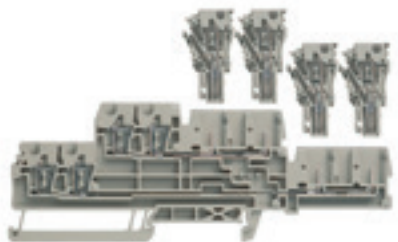
Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
Type Qty. Order No.			
ZAP/TW ZDT2.5/2		50	1816110000
Type Qty. Order No.			
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
Type Qty. Order No.			
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
Type Qty. Order No.			
SDIS SL 0.6X3.5X100		1	1274660000
Type Qty. Order No.			
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
Type Qty. Order No.			
ZAP/TW ZDT2.5/2		50	1816110000
Type Qty. Order No.			
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
Type Qty. Order No.			
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
Type Qty. Order No.			
SDS 0.6X3.5X100		10	9008330000
Type Qty. Order No.			
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDT 2.5/8AN/4

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 145 x 50.5	
<b>24 / 4</b>	
<b>0.13...4</b>	

IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC	UL	CSA	EN 60079-7
500			
690			
24			
2.5			
	6 kV / 3		
	A2 / V-0		

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Rated connection		Plug-in connection	
0.5...4 / 0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Note

Ordering data

	dark beige
Plug-in connector	

Type	Qty.	Order No.
ZDT 2.5/8AN/4	50	1259120000
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Note

Accessories

Pluggable cross-connection	2-pole 10-pole
End plate / Partition plate	dark beige
Test adapter	Standard With spigot
Miscellaneous accessories WeiCoS	Locking element Coding element Strain relief
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDT2.5/2		50	1816110000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDT 2.5/2 DU-PE

2.5 mm<sup>2</sup>

Phase - PE conductor



5.1 x 80.5 x 52	
<b>24 / 4</b>	
<b>0.13...4</b>	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDT 2.5/2 DU-PE	50	1815160000
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDT2.5/2		50	1816110000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

## Spring connection with tension clamp technology (Z-Series)

### Pluggable terminal blocks

**ZDT 2.5/2 PE**

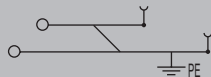
**2.5 mm<sup>2</sup>**

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 80.5 x 52
/ 4
0.13...4



#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

#### Note

#### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
ZDT 2.5/2 PE	50	1815170000

#### Accessories

End plate / Partition plate	
	dark beige
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

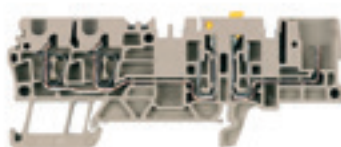
Type	current	Qty.	Order No.
ZAP/TW ZDT2.5/2		50	1816110000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZTTR 2.5

2.5 mm<sup>2</sup>

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 87 x 36
<b>18 / 4</b>
<b>0.13...4</b>



Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
16	16	16	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note

CSA current and voltage, acc. to Gr. B

Ordering data

Version	dark beige
	without isolator, dark beige
Note	

Type	Qty.	Order No.
ZTTR 2.5	50	<b>1865510000</b>
ZTTR 2.5 0.TNHE	50	<b>1905470000</b>

Please contact customer support when planning your installation with SIHA.

Accessories

Pluggable cross-connection	2-pole
	10-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Testing / Checking	Test plug
Holder for cartridge fuse 5 x 20 mm	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max, 250 V)	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	removable, as replacement for release lever
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
ZAP/TW ZTTR2.5		50	<b>1865520000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

**ZRV 1.5** **1.5 mm<sup>2</sup>**

Base terminal - plug



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 89.5 x 52	
<b>/ 2.5</b>	
<b>0.13...2.5</b>	

IEC 61984, In accordance with IEC 60947-7-1

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
		1.5 kV / 3	
		A1 / V-0	
<b>CE</b>			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
8 / 0.6 x 3.5 mm			
<b>Note</b>			

**Ordering data**

Version	
	Base terminal
<b>Note</b>	

Type	Qty.	Order No.
ZRV 1.5	50	<b>1698160000</b>
<b>Note</b>		

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
STGH plug housing	
	With spigot
	Without peg
Crimp contacts	
	Reel packaged
	Reel packaged
	Reel packaged
	Single contacts
	Single contacts
	Single contacts
Test adapter	
	Strain relief
	Plug housing black
	Black plug enclosure
End plate / Partition plate	
	beige Wemid
	dark brown
Locking elements	
<b>Tools</b>	
	Crimping tool
	Mounting tool
Identification systems	
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	current	Qty.	Order No.
STGH 4 ZRV1.5		50	<b>1698190000</b>
DFFC 0.2-0.35 ZRV1.5		500	<b>1705310000</b>
DFFC .5-1.0 ZRV1.5		500	<b>1705320000</b>
AP ZRV1.5 DB		10	<b>1698180000</b>
HTF ZRV		1	<b>9014840000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
<b>Note</b>			

**ZRV 1,5/PE** **1.5 mm<sup>2</sup>**

Base terminal - plug



5.1 x 89.5 x 52	
<b>/ 2.5</b>	
<b>0.13...2.5</b>	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
		1.5 kV / 3	
		A1 / V-0	
<b>CE</b>			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
8 / 0.6 x 3.5 mm			
<b>Note</b>			

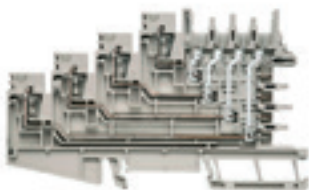
Type	Qty.	Order No.
ZRV 1.5/PE	50	<b>1698170000</b>
<b>Note</b>		

Type	current	Qty.	Order No.
STGH 4 ZRV1.5/PE GN		50	<b>1698200000</b>
DFFC 0.2-0.35 ZRV1.5		500	<b>1705310000</b>
DFFC .5-1.0 ZRV1.5		500	<b>1705320000</b>
AP ZRV1.5 DB		10	<b>1698180000</b>
HTF ZRV		1	<b>9014840000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
<b>Note</b>			

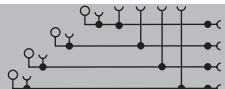


ZRV 2.5/2

2.5 mm<sup>2</sup>



5.2 x 115 x 69.5  
10 / 4  
0.21...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
2.5	AWG 24...14	AWG 26...14	
4 kV / 3 A2 / V-0			



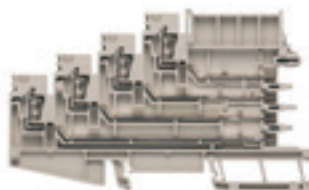
Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/2	50	1906970000

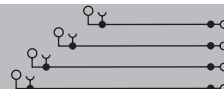
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH 0.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35	5000		1854750000
FEKO ZRV2.5 0.5-1	5000		1854760000
FEKO ZRV2.5 1.5-2.5	4200		1848480000
FEKO ET ZRV2.5 0.2-0.35	500		1893940000
FEKO ET ZRV2.5 0.5-1	500		1893970000
FEKO ET ZRV2.5 1.5-2.5	500		1893990000
ZE ZRV2.5		25	2318670000
STGH O.R/SW ZRV2.5		25	1898420000
STGH 0.ZA/O.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

ZRV 2.5/1

2.5 mm<sup>2</sup>



5.2 x 115 x 69.5  
/ 4  
0.5...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
10	10		
2.5	AWG 24...14		
4 kV / 3 / V-0			



Rated connection	Plug-in connection
0.5...4	
0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/1	50	1906960000

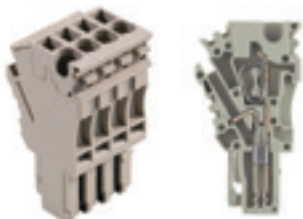
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH 0.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35	5000		1854750000
FEKO ZRV2.5 0.5-1	5000		1854760000
FEKO ZRV2.5 1.5-2.5	4200		1848480000
FEKO ET ZRV2.5 0.2-0.35	500		1893940000
FEKO ET ZRV2.5 0.5-1	500		1893970000
FEKO ET ZRV2.5 1.5-2.5	500		1893990000
ZE ZRV2.5		25	2318670000
STGH O.R/SW ZRV2.5		25	1898420000
STGH 0.ZA/O.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
VREL 2 ZRV2.5/4		20	1167890000
VREL 4 ZRV2.5/4		10	1167900000
VREL 8 ZRV2.5/4		10	1167910000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000



ZP 2.5/1AN/QV

2.5 mm<sup>2</sup>

1...17-pole



5.1 x 23 x 41  
24 / 4  
0.13...4

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
			6 kV / A2 / V-0



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

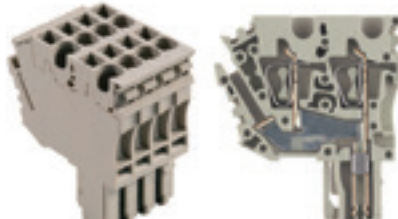
Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/11	20	1815290000
ZP 2.5/1AN/QV/12	20	1815300000
ZP 2.5/1AN/QV/13	10	1815310000
ZP 2.5/1AN/QV/14	10	1815320000
ZP 2.5/1AN/QV/15	10	1815330000
ZP 2.5/1AN/QV/16	10	1815340000
ZP 2.5/1AN/QV/17	10	1815350000
ZP 2.5/1AN/QV/1 GN	50	1820570000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZP 2.5/2AN/QV

2.5 mm<sup>2</sup>

1...16-pole



5.1 x 23 x 41  
24 / 4  
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
			6 kV / 3 A2 / V-0



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/2AN/QV/1	50	1815730000
ZP 2.5/2AN/QV/2	20	1815740000
ZP 2.5/2AN/QV/3	20	1815750000
ZP 2.5/2AN/QV/4	20	1815760000
ZP 2.5/2AN/QV/5	20	1815770000
ZP 2.5/2AN/QV/6	20	1815780000
ZP 2.5/2AN/QV/7	20	1815790000
ZP 2.5/2AN/QV/8	10	1815800000
ZP 2.5/2AN/QV/9	10	1815810000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/11	10	1815830000
ZP 2.5/2AN/QV/12	10	1815840000
ZP 2.5/2AN/QV/15	5	1815870000
ZP 2.5/2AN/QV/16	5	1815880000
ZP 2.5/2AN/QV/1 GN	50	1820590000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZP 4/1AN

4 mm<sup>2</sup>

1...16-pole



6.5 x 22.5 x 47.5  
32 / 6  
0.13...6

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
690			
32	28	28	
4	AWG 26...10		AWG 26...10
			8 kV / 3 A3 / V-0



Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

CSA current and voltage, acc. to Gr. C

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000
ZP 4/1AN/11	20	1855080000
ZP 4/1AN/12	10	1855090000
ZP 4/1AN/13	10	1855100000
ZP 4/1AN/14	10	1855110000
ZP 4/1AN/1 GN	50	1854980000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/6 MC NE WS		600	1828450000

**Spring connection with tension clamp technology (Z-Series)  
Pluggable terminal blocks – WeiCoS accessories**

**WeiCoS single plates**

**Individual plates for self-preparation**

The WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

**Single plates, plug ZP 2.5/1AN**



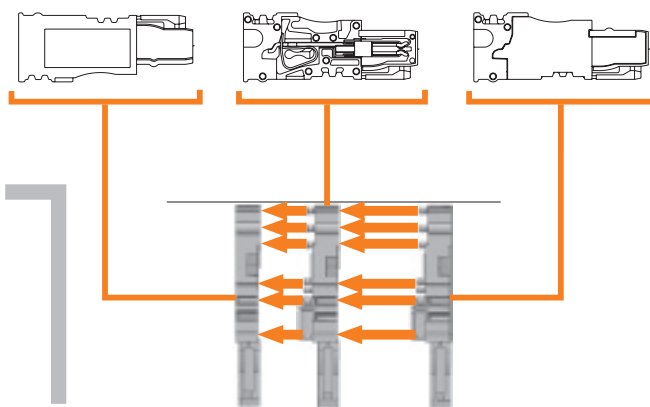
**Ordering data**

Type	Qty.	Order No.
ZP 2.5/1AN	50	1875150000
ZP 2.5/1AN ZA O.RA	50	1875210000
ZP 2.5/1AN ZA	50	1875190000
ZP 2.5/1AN ZA O.RA BL	50	1972980000
ZP 2.5/1AN ZA BL	50	1009070000
ZP 2.5/1AN GN	50	1875180000
ZP 2.5/1AN ZA O.RA GN	50	1875220000
ZP 2.5/1AN ZA GN	50	1875200000

**Note**

**Construction of plug:**

<b>1 start element</b>	<b>n-2 core element</b>	<b>1 end element</b>
1875150000 BE	1875210000 BE	1875190000 BE
1875180000 GN	1972980000 BL	1009070000 BL
	1875220000 GN	1875200000 GN



**Single plates, plug ZP 2.5/1AN/QV**



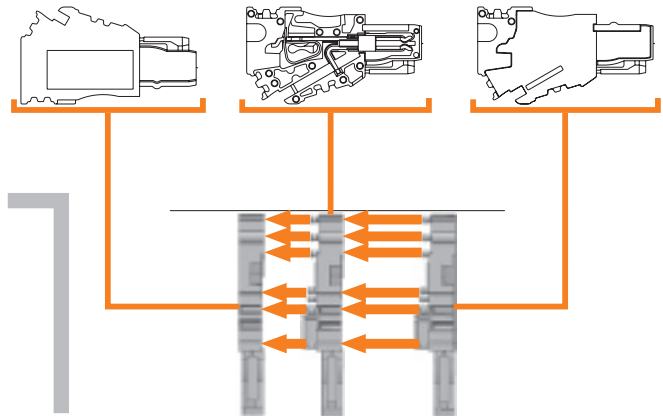
**Ordering data**

Type	Qty.	Order No.
ZP 2.5/1AN/QV	50	1007900000
ZP 2.5/1AN/QV ZA O.RA	50	1007960000
ZP 2.5/1AN/QV ZA	50	1007930000
ZP 2.5/1AN/QV ZA O.RA BL	50	1007970000
ZP 2.5/1AN/QV GN	50	1007920000
ZP 2.5/1AN/QV ZA O.RA GN	50	1007980000
ZP 2.5/1AN/QV ZA GN	50	1007950000

**Note**

**Construction of plug:**

<b>1 start element</b>	<b>n-2 core element</b>	<b>1 end element</b>
1007900000 BE	1007960000 BE	1007930000 BE
1007920000 GN	1007970000 BL	1007950000 GN
	1007980000 GN	



### Single plates, plug ZP 2.5/2AN/QV



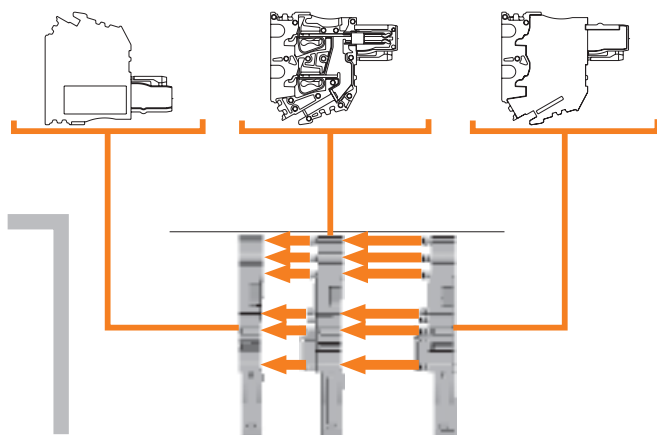
#### Ordering data

Type	Qty.	Order No.
ZP 2.5/2AN/QV	50	1007810000
ZP 2.5/2AN/QV ZA 0.RA	50	1007870000
ZP 2.5/2AN/QV ZAO.RA BL	50	1007880000
ZP 2.5/2AN/QV GN	50	1007830000
ZP 2.5/2AN/QV ZA GN	50	1007860000

Note

#### Construction of plug:

<b>1 start element</b>	<b>n-2 core element</b>	<b>1 end element</b>
1007810000 BE	1007870000 BE	1007860000 GN
1007830000 GN	1007880000 BL	



### Single plates, coupling ZPS

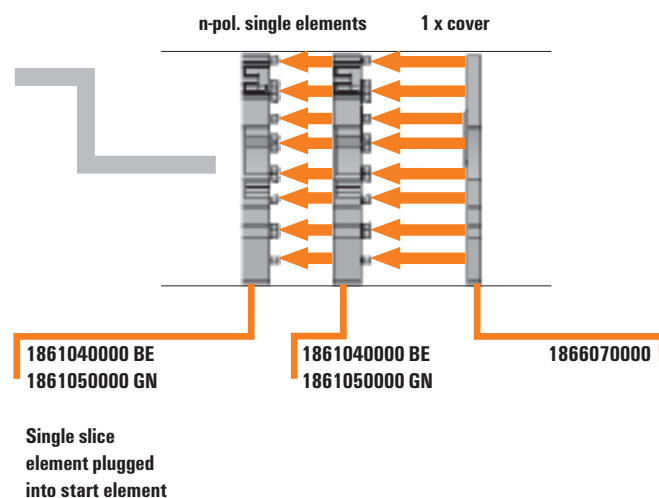


#### Ordering data

Type	Qty.	Order No.
GHDE ZPS2.5/1AN	50	1866070000
ZPS 2.5/1AN/QV/1 GN	50	1861050000
ZPS 2.5/1AN/QV/1	50	1861040000

Note

#### Construction of coupling:



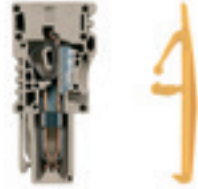
Plug accessories

WeiCoS 2.5 mm<sup>2</sup>

Locking element

alternative to side interlock

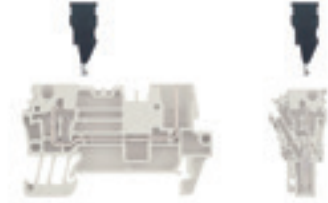
ZVR ZP 2.5



Test adapters

1 x 1827080000 and (n-1) x 1847600000 are required to form n-pole blocks

ZTA ZT 2.5



Ordering data	Type	Qty.	Order No.
	ZVR ZP2.5	25	1816130000

Ordering data	Type	Qty.	Order No.
	ZTA ZT2.5	25	1827080000
	ZTA ZT2.5/ZA	25	1847600000

Coding elements

KOSF ZT 2.5



Interlock

ZVR ZPS 2.5 in conjunction with the flying lead coupling

ZVR ZPS 2.5



Ordering data	Type	Qty.	Order No.
	KOSF ZT2.5	50	1816150000

Ordering data	Type	Qty.	Order No.
	ZVR ZPS2.5	20	1878620000

Strain reliefs

ZZE ZP 2.5



Protective cover

ZAD ZT / ZPS 2.5



Ordering data	Type	Qty.	Order No.
	ZZE ZP2.5	25	1816140000
	ZZE ZP2.5/4	25	1866220000
	ZZE ZP2.5/8	25	1866230000

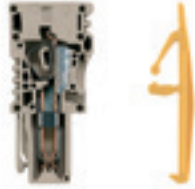
Ordering data	Type	Qty.	Order No.
	ZAD ZT/ZPS2.5	25	1861030000

Plug accessories

WeiCoS 4 mm<sup>2</sup>

Locking element

ZVR ZP 4



Ordering data	Type	Qty.	Order No.
	ZVR ZP4	25	1855250000

Coding elements

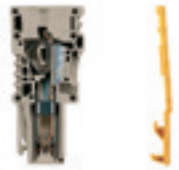
KOSF ZT 4



Ordering data	Type	Qty.	Order No.
	KOSF ZT4	50	1856860000

Strain reliefs

ZZE ZP 4



Ordering data	Type	Qty.	Order No.
	ZZE ZP4	25	1855260000

**Spring connection with tension clamp technology (Z-Series)  
Pluggable terminal blocks – WeiCoS accessories**

**Set of fixings – flying lead coupling**

**Flying lead coupling**

**ZVLA1 ZPS 2.5**



Ordering data	Type	Qty.	Order No.
	ZVLA1 ZPS2.5	20	1866250000

**Central interlock**

alternative to side interlock

**ZVR ZP 2.5**



Ordering data	Type	Qty.	Order No.
	ZVR ZP2.5	25	1816130000

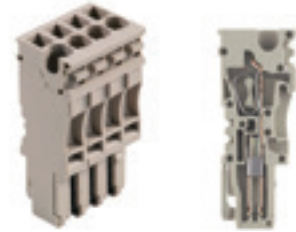
**Strain relief**

**ZZE ZP 2.5 / 4 / 8**



Ordering data	Type	Qty.	Order No.
	ZZE ZP2.5	25	1816140000
	ZZE ZP2.5/4	25	1866220000
	ZZE ZP2.5/8	25	1866230000

**ZP 2.5/1AN/6**



Ordering data	Type	Qty.	Order No.
	ZP 2.5/1AN/6	25	1815520000

**Side interlock**

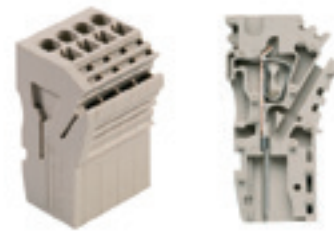
ZVR ZPS 2.5 in conjunction with the flying lead coupling

**ZVR ZPS 2.5**



Ordering data	Type	Qty.	Order No.
	ZVR ZPS2.5	20	1878620000

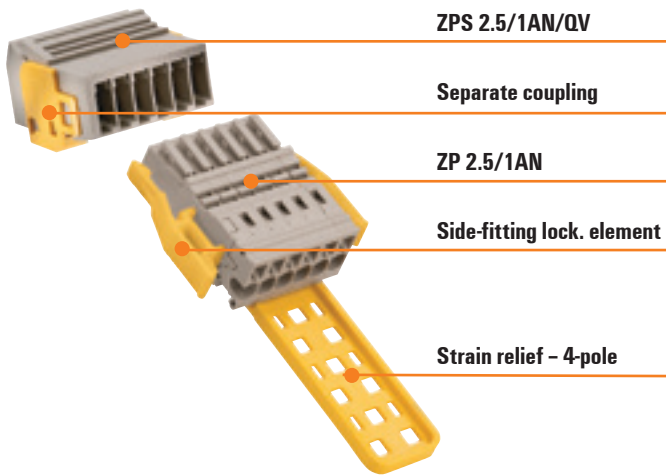
**ZPS 2.5/1AN/QV 6**



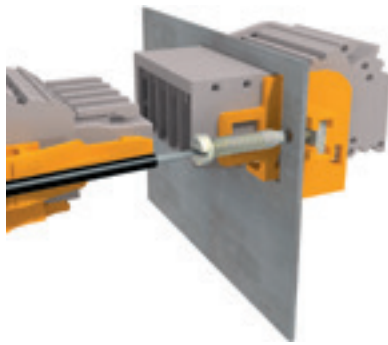
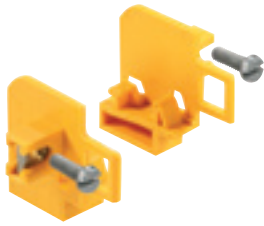
Ordering data	Type	Qty.	Order No.
	ZPS 2.5/1AN/QV/6	25	1865940000



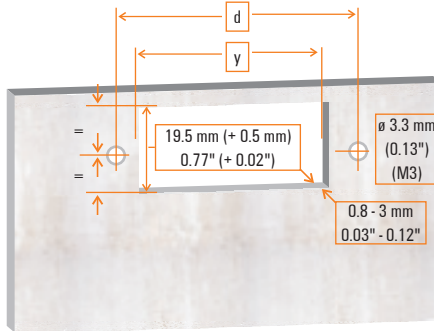
Mounting set - separate coupling



Screwed through-wall fixing



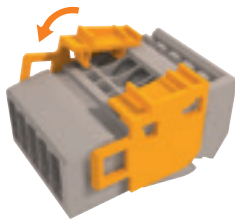
Type	Qty.	Order No.
ZVLA DF ZPS2.5	20	1878600000



$$y = n \times 5.1 \text{ mm} + 5.5 \text{ mm} \quad y = n \times 0.25" + 0.216"$$

$$d = n \times 5.1 \text{ mm} + 13.5 \text{ mm} \quad d = n \times 0.25" + 0.53"$$

Pluggable terminal blocks



Plug-in connector system with an infinite number of combinations – but always with the same fitting method.

n-pol.	y		d	
	mm	inch(")	mm	inch(")
2-pol.	15.7	0.62	23.7	0.93
3-pol.	20.8	0.82	28.8	1.13
4-pol.	25.9	1.02	33.9	1.33
5-pol.	31.0	1.22	38.9	1.53
6-pol.	36.1	1.42	44.1	1.74
7-pol.	41.2	1.62	49.2	1.94
8-pol.	46.3	1.82	54.3	2.14
9-pol.	51.4	2.02	59.4	2.34
10-pol.	56.5	2.22	64.5	2.55
11-pol.	61.6	2.43	69.6	2.74
12-pol.	66.7	2.63	74.7	2.94
13-pol.	71.8	2.83	79.8	3.14
14-pol.	76.9	3.03	84.9	3.34
15-pol.	82.0	3.23	90.0	3.54
16-pol.	87.1	3.43	95.1	3.74

Set of fixings - coupling

Direct mounting, screwed

ZVLA SC ZPS 2.5



Plug support prevents the cable from bending at the connection point

BA ZPS 2.5



Ordering data	Type	Qty.	Order No.
	ZVLA SC ZPS2.5	20	1866240000

Ordering data	Type	Qty.	Order No.
	BA ZPS2.5	25	1908560000

Direct mounting, plugged

ZVLA RC ZPS 2.5



BA RC ZPS 2.5



Ordering data	Type	Qty.	Order No.
	ZVLA RC ZPS2.5	20	1866260000

Ordering data	Type	Qty.	Order No.
	BA RC ZPS2.5	25	1908560000

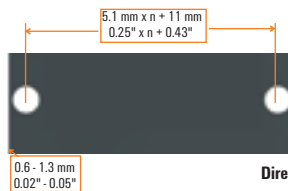
on terminal rail

MOFU 15/35 ZPS 2.5

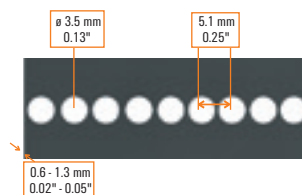


Ordering data	Type	Qty.	Order No.
	MOFU 15/35 ZPS2.5	25	1899170000

Direct mounting - screwed



Direct mounting - clipped



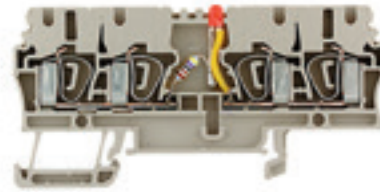
# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

### ZDU 2.5/2x2AN/LD+

2.5 mm<sup>2</sup>

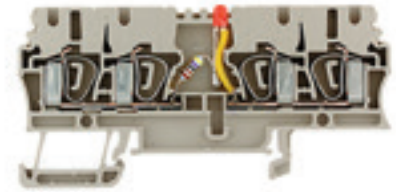
LED indicator



### ZDU 2.5/2x2AN/LD-

2.5 mm<sup>2</sup>

LED indicator



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 79.5 x 38.5	
/ 4	
0.05...4	

5.1 x 79.5 x 38.5	
/ 4	
0.05...4	

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24			
0.05			
2.5			
	6 kV / 3		
	A3 / V-0		
CE			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24			
0.05			
2.5			
	6 kV / 3		
	A3 / V-0		
CE			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

### Ordering data

Version
dark beige
dark beige (red LED)
<b>Note</b>

Type	Qty.	Order No.
ZDU 2.5/2X2AN/LD+	20	1692590000
<b>Note</b>		

Type	Qty.	Order No.
ZDU 2.5/2X2AN/LD-	20	1692600000
<b>Note</b>		

### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>Reducing sleeves</b>	For conductors < 1.0 mm <sup>2</sup> / AWG 18 For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/V0		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/V0		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDU 2.5/2x2AN/D+

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.5 x 38.5  
/ 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D+	20	1650340000

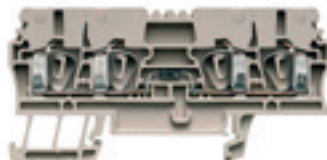
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/VO		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

ZDU 2.5/2x2AN/D-

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.5 x 38.5  
/ 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D-	20	1650350000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/VO		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

Universal range

A

### ZDU 2.5-2/D+

2.5 mm<sup>2</sup>

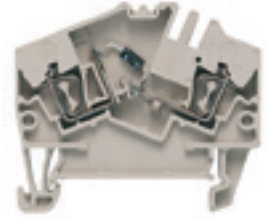
Diode circuit



### ZDU 2.5-2/D-

2.5 mm<sup>2</sup>

Diode circuit



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 43.5	
/ 2.5	
0.05...2.5	

5.1 x 50.5 x 43.5	
/ 2.5	
0.05...2.5	

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

### Ordering data

Version	
	dark beige
	dark beige (red LED)
	orange
Note	

Type	Qty.	Order No.
ZDU 2.5-2/D+	20	1779110000
Note		
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A		

Type	Qty.	Order No.
ZDU 2.5-2/D-	20	1779000000
Note		
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A		

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	Blue
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

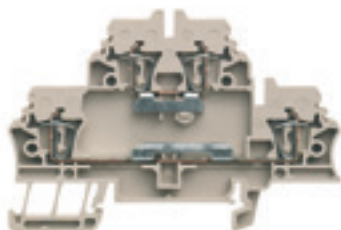
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZDK 2.5 EM**

**2.5 mm<sup>2</sup>**

Double-level terminal



5.1 x 79.5 x 53  
**20 / 2.5**  
**0.05...2.5**



Ex e IIII  
2 G D



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3 A2 / V-0			

CE KEMA97ATEX4677U

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5 EM	50	<b>1768800000</b>
ZDK 2.5 OR	50	<b>1694140000</b>

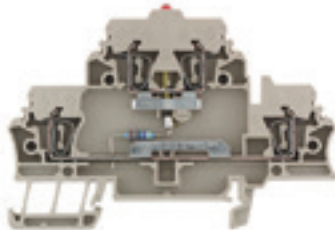
Empty electronics enclosure for do-it-yourself soldering of components.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5 BL		20	<b>1748800000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

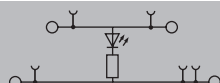
**ZDK 2.5/LD RT/1**

**2.5 mm<sup>2</sup>**

LED circuit



5.1 x 79.1 x 53  
**/ 2.5**  
**0.05...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
/ 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/LD RT/1	50	<b>1690010000</b>

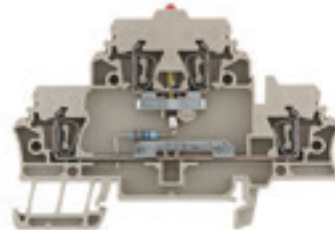
Voltage on the continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

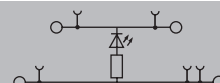
**ZDK 2.5/LD RT/2**

**2.5 mm<sup>2</sup>**

LED circuit



5.1 x 79.1 x 53  
**/ 2.5**  
**0.05...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
/ 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/LD RT/2	50	<b>1693940000</b>

Voltage on the continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDK2.5		20	<b>1674730000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

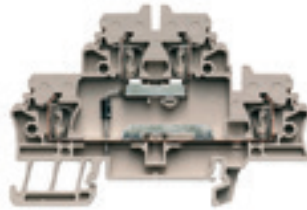
Universal range

A

### ZDK 2.5/D/1

2.5 mm<sup>2</sup>

Diode circuit



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 79.1 x 53	
/ 2.5	
0.05...2.5	

#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	dark beige dark beige (red LED) orange
Note	

#### Accessories

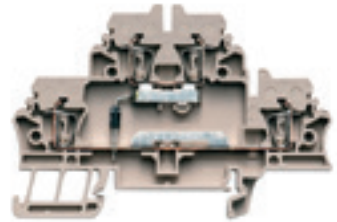
Pluggable cross-connection	
	2-pole 10-pole
End plate / Partition plate	
	Blue dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

For detailed information on other accessories and application in the online catalogue

### ZDK 2.5/D/2

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53	
/ 2.5	
0.05...2.5	

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3			
A2 / V-0			
CE			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDK 2.5/D/2	50	1690030000
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A		

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3			
A2 / V-0			
CE			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
4 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDK 2.5/D/1	50	1690020000
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

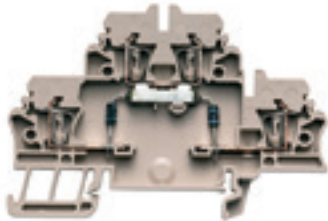
For detailed information on other accessories and application in the online catalogue



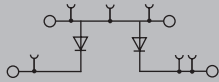
ZDK 2.5/D/4

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/4	50	1690040000

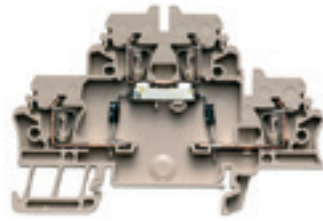
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

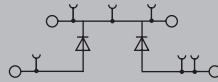
ZDK 2.5/D/5

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/5	50	1690050000

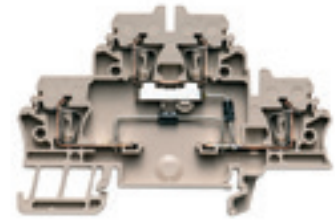
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

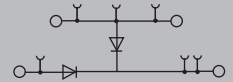
ZDK 2.5/D/6

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/6	50	1690060000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

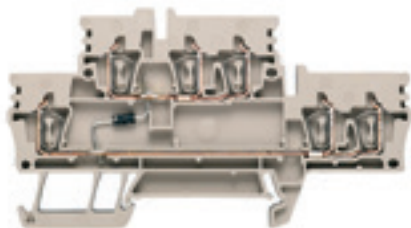
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



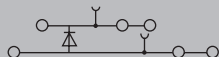
**ZDK 2.5/3AN D2**

**4 mm<sup>2</sup>**

Diode circuit



5.1 x 93 x 50.5  
/ 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
1	20	24	
4	AWG 30...12	AWG 30...12	
	6 kV / 3		
	A2 / V-0		

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...2.5 / 0.21...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/3AN D2	50	1924450000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
ZEW 35/2		20	8630740000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
ZAP/TW ZDK 2.5/3AN		20	1924910000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

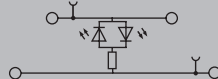
**ZDK 2.5-2/LD 24 V UC**

**2.5 mm<sup>2</sup>**

Diode circuit



5.1 x 72.5 x 53  
10 / 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
	/ 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5-2/LD 24VUC	50	1905310000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/15 MC NE WS		240	1854090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Spring connection with tension clamp technology (Z-Series)  
Accessories - Electrical supply

Universal range

A

Cross-connections according to dimensions

ZQV 1.5



ZQV 2.5



ZQV 4



Technical data	
Current / Current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
32-pole	

17.5 / 17.5		
Type	Qty.	Order No.
ZQV 1.5/2	60	1776120000
ZQV 1.5/3	60	1776130000
ZQV 1.5/4	60	1776140000
ZQV 1.5/5	20	1776150000
ZQV 1.5/10	20	1776200000

For terminal:	
ZDU 1.5 ...	
ZDK 1.5 ...	
ZEI 6	

24 / 24		
Type	Qty.	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	20	1908960000

For terminal:	
ZDU 2.5 ...	ZDK 2.5-2
ZDK 2.5 ...	ZTR 2.5-2 ...
ZTR 2.5 ...	ZDL 2.5-2 ...
ZDTR 2.5	ZDKPE 2.5-2
ZTSI 2.5 ...	ZDU 2.5N ...
ZRV 2.5 ...	ZNT 2.5/3AN ...
ZIA 2.5 ...	ZEI 16-2/1 AN
ZEI 16	ZDU 2.5 S
ZDU 2.5-2 ...	ZTN 2.5 S

32 / 32		
Type	Qty.	Order No.
ZQV 4/2 GE	60	1608950000
ZQV 4/3 GE	60	1608960000
ZQV 4/4 GE	60	1608970000
ZQV 4/5 GE	20	1608980000
ZQV 4/6 GE	20	1608990000
ZQV 4/7 GE	20	1609000000
ZQV 4/8 GE	20	1609010000
ZQV 4/9 GE	20	1609020000
ZQV 4/10 GE	20	1609030000
ZQV 4/20 GE	20	1909010000

For terminal:	
ZDU 4 ...	ZDU 4-2 ...
ZDK 4/S ...	ZDU 4 S
ZEI 16	ZNT 4 S
	ZEI 16-2/1 AN

Cross-connections according to dimensions

ZQV 35-10

Reducing cross-connection



ZQV 2.5N



ZQB 2.5



Technical data	
Current / Current	A
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
20-pole	
32-pole	

57 / 105		
Type	Qty.	Order No.
ZQV 35-10	10	7920100000

For terminal:	
ZDU 10 ...	ZDU 10 S
ZPE 10 ...	ZNT 10 S
ZDU 35	
ZPE 35	

24 / 24		
Type	Qty.	Order No.
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/4 GE	60	1693820000
ZQV 2.5N/5 GE	20	1693830000
ZQV 2.5N/6 GE	20	1693840000
ZQV 2.5N/7 GE	20	1693850000
ZQV 2.5N/8 GE	20	1693860000
ZQV 2.5N/9 GE	20	1693870000
ZQV 2.5N/10 GE	20	1693880000

For terminal:	
ZT 2.5 ...	ZDUA 2.5-2 ...
ZDT 2.5 ...	ZDUA 2.5-2N ...
ZP 2.5 ...	ZDL 2.5 ...
ZTTQ 2.5 ...	ZDL 2.5 S
ZTC ...	

24 / 24		
Type	Qty.	Order No.
ZQB 2.5-2	50	1677120000

For terminal:	
	ZDUB 2.5-2/4 AN
	ZDU 2.5-2/4 AN

The ZQB 2.5 cross-connector is used for connecting terminals without a separated cross-connection channel.

The ZBW tool is used for opening the terminal points. (order no. 1650670000)

ZQV 6



41 / 41		
Type	Qty.	Order No.
ZQV 6/2 GE	60	1627850000
ZQV 6/3 GE	60	1627860000
ZQV 6/4 GE	60	1627870000
ZQV 6/24	10	1908990000

For terminal:		
ZDU 6 ...	ZDU 6-2 ...	
ZDK 6/S ...	ZDU 6 S	
ZTL 6 ...	ZNT 6 S	
ZEI 16 ZEI	ZEI 16-2/1 AN	

ZQV 10/2



57 / 57*		
Type	Qty.	Order No.
ZQV 10/2	25	1739680000

For terminal:		
ZDU 10 ...	ZDU 10 S	
ZDU 10 NT	ZNT 10 S	

\* Only with use of 2 dummy cables

ZQV 16/2



76 / 76*		
Type	Qty.	Order No.
ZQV 16/2	25	1739690000

For terminal:		
ZDU 16	ZDU 16 S	
ZPE 16	ZPE 16 S	
	ZNT 16 S	

\* Only with use of 2 dummy cables

ZQV 35/2



105 / 105		
Type	Qty.	Order No.
ZQV 35/2	10	1739700000

For terminal:		
ZDU 35		
ZPE 35		
ZNT 35/S		

ZQS 2.5



/ 10		
Type	Qty.	Order No.
ZQS 2.5/2	20	1633200000
ZQS 2.5/3	20	1633210000
ZQS 2.5/4	20	1633220000
ZQS 2.5/5	20	1633230000

For terminal:		
ZSI 2.5/2 ...		

ZVQ 2.5/1.5



/ 23		
Type	Qty.	Order No.
ZVQ 2.5/1.5	50	1720700000

For terminal:		
ZDK 2.5 ...	ZDLD 2.5-2 ...	
ZDT 2.5/2		

**Spring connection with tension clamp technology (Z-Series)**  
**Accessories - Testing/checking**

**Test adapter**

The clip-on test adapter ZTA is used as a single thin element and as a test adapter strip for measurements in electrical cabinets. Conductors with cross-sections from 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup> can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height <sup>1)</sup>	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
solid / stranded	mm <sup>2</sup>
flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	With snap-in pegs

**ZTA 1**

For terminal width 5.1 mm



Width / Length / Height <sup>1)</sup>	mm	5.1 / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	250
Rated current	A	9
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 1	25	1609040000
ZTA 1/ZA	25	1609050000
For terminal:		
ZDU 2.5 ...		
ZTR 2.5 ...		
ZSI 2.5 ...		
ZSI 2.5/2		

**ZTA 2**

For terminal width 6.1 mm



Width / Length / Height <sup>1)</sup>	mm	6.1 / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	250
Rated current	A	9
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 2 ZDU4	25	1609060000
ZTA 2/ZA ZDU4	25	1609070000
For terminal:		
ZDU 4 ...		

**ZTA 3**

For terminal width 8.1 mm



Width / Length / Height <sup>1)</sup>	mm	8.1 / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	250
Rated current	A	9
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 3 ZDU6	25	1654050000
For terminal:		
ZDU 6 ...		

**Test adapter**

The clip-on test adapter ZTA is used as a single thin element and as a test adapter strip for measurements in electrical cabinets. Conductors with cross-sections from 0.5 mm<sup>2</sup> to 1.5 mm<sup>2</sup> can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height <sup>1)</sup>	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
solid / stranded	mm <sup>2</sup>
flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	With snap-in pegs

**ZTA 6**

For terminal width 6.1 mm



Width / Length / Height <sup>1)</sup>	mm	6.1 / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	250
Rated current	A	17.5
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 6/ZA	25	1780660000
For terminal:		
ZDU 4-2 ...		

**ZTA 7**

For terminal width 8.1 mm



Width / Length / Height <sup>1)</sup>	mm	8.1 / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	250
Rated current	A	9
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 7/ZA	25	1780670000
For terminal:		
ZDU 6-2 ...		

**ZTA ZT2.5**

For terminal width 5.1 mm



Width / Length / Height <sup>1)</sup>	mm	5.1 / 20
Stripping length	mm	10
Rated data		
Rated voltage	V	250
Rated current	A	17.5
Rated cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
solid / stranded	mm <sup>2</sup>	0.5...1.5
flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA ZT2.5	25	1827080000
ZTA ZT2.5/ZA	25	1847600000
For terminal:		
ZT 2.5 ...		

Note: 1) The height is dependent on the terminal type

### ZTA 4

For terminal width 5.1 mm



5.1 / 31
10
250
11
1.5
0.5...1.5
0.5...1.5 / 0.5...1.5

Type	Qty.	Order No.
ZTA 4	25	1688110000

**For terminal:**  
ZDK 2.5 ...  
ZTR 2.5/4 AN ...

### ZTA 5

For terminal width 3.5 mm



3.5 / 20
10
200
13.5
1
0.5...1
0.5...1 / 0.5...1

Type	Qty.	Order No.
ZTA 5	25	1776210000
ZTA 5/ZA	25	1776220000

**For terminal:**  
ZDU 1.5 ...  
ZDK 1.5 ...

### ZTA ZVLD

For terminal width 5.1 mm



5.1 / 69
6
250
6
1.5
0.5...1.5

Type	Qty.	Order No.
ZTA ZVLD	25	1210390000
ZTA ZVLD/ZA	25	1271870000

**For terminal:**  
ZVLD ...

### Test plug

The test points for the PS 2.3 and PS 2.0 test plugs are available for most Z-Series terminals. Quick measurements can be made by inserting the test plug into the opening provided.

Technical data
Current / Current

Ordering data
Test plug

### PS

Plug diameter 2.0 mm



Type	Qty.	Order No.
PS 2.0 OR	20	0293800000

**For terminal:**  
ZDU/ZPE 2.5/...  
ZDU/ZPE 4/...  
ZDU/ZPE 6/3 AN  
ZDU/ZPE 10/...  
ZDU/ZPE 16/...  
ZDU/ZPE 35  
ZEI 16  
ZTR 2.5/...  
ZTR 2.5 .../D  
ZDTR 2.5  
ZTR 2.5/SI  
ZDL 2.5/SI ...  
ZTR 2.5/2AN/1

### PS 2.3 RT

Plug diameter 2.3 mm



Type	Qty.	Order No.
PS 2.3 RT	20	0180400000

**For terminal:**  
ZDU/ZPE 2.5/...  
ZDU/ZPE 4/...  
ZDU/ZPE 10/...  
ZDU/ZPE 18/...  
ZDU/ZPE 35  
ZDU/ZPE 4-2  
ZDU/ZPE 6-2  
ZTR 2.5...  
ZTR 2.5.../D  
ZDTR 2.5  
ZTR 2.5/SI  
ZDL 2.5/SI...  
ZTR 2.5/2AN/1





### Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

Packaged in sets of 100 x 10-pole strips

Technical data	
Product type	
Ordering data	
	0.13...0.2 mm <sup>2</sup> , white
	0.25...0.5 mm <sup>2</sup> , grey
	0.75...1.0 mm <sup>2</sup> , dark grey

### ZRH 1.5 S



Reducing sleeve		
Type	Qty.	Order No.
ZRH 1.5S/1	500	1781950000

For terminal:		
ZDU 1.5/...		
ZPE 1.5/...		

### ZRH 1.5 H



Reducing sleeve		
Type	Qty.	Order No.
ZRH 1.5H/1	1000	1678810000
ZRH 1.5H/2	1000	1678800000

For terminal:		
ZDK 2.5...	ZDL 2.5-2...	
ZDK 2.5 PE	ZDU 2.5-2/...	
ZDTR 2.5	ZPE 2.5-2/...	
	ZTR 2.5-2...	

### ZRH 1.5 N



Reducing sleeve		
Type	Qty.	Order No.
ZRH 1.5N/1	1000	1632140000
ZRH 1.5N/2	1000	1632130000

For terminal:		
ZRV 1.5		
ZRV 1.5 PEZVL 1.5		
ZIA 1.5/3 L...		
ZIA 1.5/4 L...		

### ZRH 2.5



Reducing sleeve		
Type	Qty.	Order No.
ZRH 2.5/1 WS	1000	1614300000
ZRH 2.5/2 GR/VO	1000	1614290000
ZRH 2.5/3	1000	1614280000

For terminal:		
ZDU 2.5/...		
ZTR 2.5/...		
ZPE 2.5/...		

### ZRH 4



Reducing sleeve		
Type	Qty.	Order No.
ZRH 4/1 WS	1000	1636640000

For terminal:		
ZDU 4/...		
ZPE 4/...		

### Label

The **BZT** marking tags enable you to label the middle of the marking channel with the **WS 10/5** tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

Technical data	
Product type	
Ordering data	
	One-sided, without peg
	One-sided, with peg
	Two-sided without pin
	Two-sided, with pin

### BZT 1/BZT 2



Marker holder		
Type	Qty.	Order No.
BZT 1 WS 10/5	100	1805490000
BZT 1 ZA WS 10/5	100	1805520000
BZT 2 WS 10/5	100	1805480000
BZT 2 ZA WS 10/5	100	1805530000

For terminal:		
ZDU 2.5/...		
ZDU 4/...		
ZDU 6/...		
ZDU A 2.5/...		

## Spring connection with tension clamp technology (Z-Series)

### Accessories - Other functions

#### Additional connection

The contact element is placed in the cross-section channel and the latch clip in the screwdriver channel. It should then be pressed down until the end stop. The pitch spacing is 6 mm. Therefore only every other terminal can be occupied.

#### ZZA 2.5



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse voltage	kV
Pollution severity	
Ordering data	
	With snap-in pegs

6.1 / 21 / 23 (50)		
400		
17.5		
2.5		
6		
3		
Type	Qty.	Order No.
ZZA 2.5/ZA	50	1649350000
ZZA 2.5	50	1646690000
For terminal:		
ZDU 2.5		
ZDU 2.5/3 AN		
ZDU 2.5/4 AN		
ZTR 2.5		
ZTR 2.5/3 AN		

#### Component plug

The component plug is used for fitting electronic components. If needed, the BZS 1 can be snapped on to the upper or lower cross-connection channel on the ZDK 2.5 tension-clamp terminals.

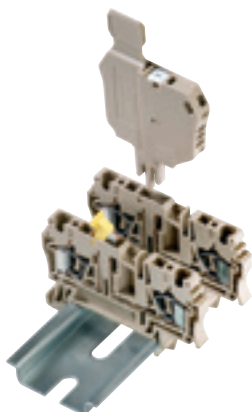
#### ZBS



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated voltage with LED	
Rated current	A
Rated current with LED	
Rated impulse voltage	kV
Pollution severity	
Ordering data	
	For holding 2 LEDs

10 / 22.3 / 48		
250		
30 V		
6		
1 A		
4		
3		
Type	Qty.	Order No.
ZBS1 F.D SET	10	1764550000
For terminal:		
ZDK 2.5		

**SIHA fuse holder**



**For 5 x 20 G-fuse cartridges**

The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time. Simply remove the isolating lever and insert the fuse plug.

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement



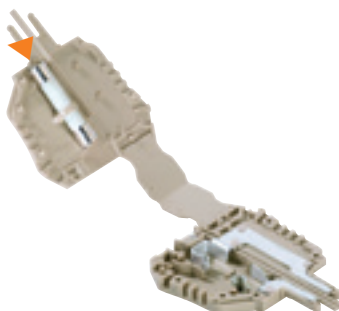
- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



1. Open fuse holder with fingers or screwdriver.



2. Press out old fuse.



3. Position new fuse.



4. Press fuse holder together again with fingers or screwdriver.

**SIHA 3**



	Qty.	Order No.
without LED		
<b>SIHA3/G20</b>	400 V 1	<b>7921560000</b>
with LED (red)		
<b>SIHA3/G20</b>	10 - 36 V 1	<b>7921570000</b>
	35 - 70 V 1	<b>7921580000</b>
	60 - 150 V 1	<b>7921590000</b>
	140 - 250 V 1	<b>7921600000</b>
<b>For test-disconnect terminals versions</b>		
ZTR 2.5/4 AN		
ZTR 2.5...		
ZTR 2.5-2		

**SIHA STRAP**



	Qty.	Order No.
with strap		
<b>SIHA STRAP</b>	20	<b>9537680000</b>

- Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
  - Integrated marking position on the strap
  - Slots into fuse holder either on the left or on the right

## Reliability connects

# Klippon® Connect sets standards with clamping yoke technology

Whatever your requirements for the panel: our screw connection system with patented clamping yoke technology ensures the ultimate in contact safety. You can use both screw-in and plug-in cross-connections for potential distribution. Two conductors of the same diameter can also be connected in a single terminal point in accordance with UL1059. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

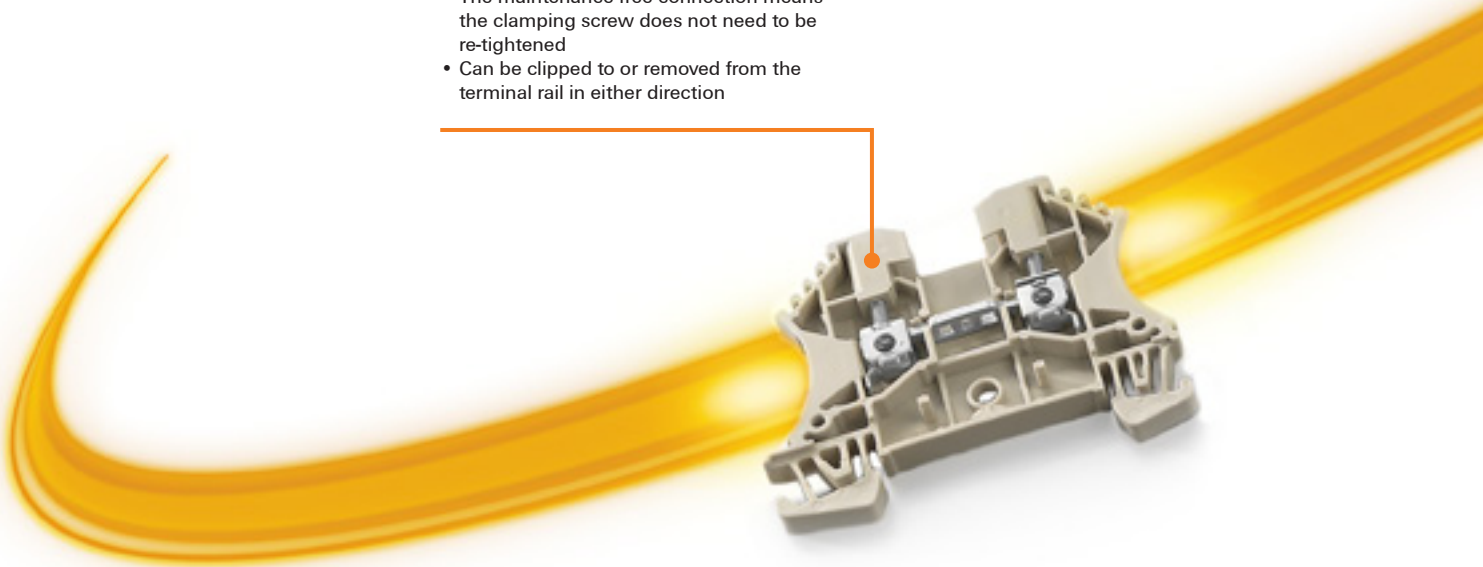


### Our promise

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### Flexibility

- The maintenance-free connection means the clamping screw does not need to be re-tightened
- Can be clipped to or removed from the terminal rail in either direction



**Time saving**

- Quick installation as the products are delivered with clamping yoke open
- Identical contours for easier planning

**Space saving**

- Small „W-Compact“ size saves space in the panel
- Two conductors can be connected for each contact point

**Safety**

- The clamping yoke properties compensate for temperature-indexed changes to the conductor to prevent loosening
- Vibration-resistant connectors – ideal for applications in harsh conditions
- Protection against incorrect conductor entry
- Copper current bar for low voltages, clamping yoke and screw made of hardened steel
- Precise clamping yoke and current bar design for safe contact with even the smallest of conductors

**Overview**

You can rely on it: thanks to the range of models and real flexibility, our terminal blocks with clamping yoke technology can be used in a wide range of different applications.

**Universal application:**

Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions.

**Varied product assortment with wide clamping range:**

Our terminal blocks with clamping yoke technology are available in both standard and compact designs. The compact design covers wire cross-sections from 0.05 mm<sup>2</sup> to 150 mm<sup>2</sup> and helps save space in the panel. The standard version covers conductor cross sections of up to 240 mm<sup>2</sup>. The identical contours of the terminal blocks make configuration easier and reduces the quantity of accessories required.



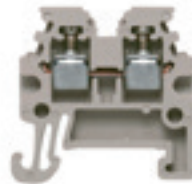
## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

#### WDU 1.5/R 3.5

1.5 mm<sup>2</sup>

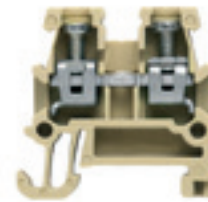
Feed-through terminal (V0)



#### AKZ 1.5

1.5 mm<sup>2</sup>

Feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 24.5 x 24	
<b>17.5 / 1.5</b>	
<b>0.13...1.5</b>	

5.1 x 24.8 x 24	
<b>24 / 2.5</b>	
<b>0.21...2.5</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
400	300	300	275				
17.5	15	10	14				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				4 kV / 3			
				A1 / V-0			
				KEMA99ATEX6545U			
Rated connection		Further connection					
0.5...1.5 / 1.5...1.5							
0.5...1.5 / 0.5...1.5		2.5					
0.3(M 2)							
7 / 0.4 x 2.5 mm							
0.5...0.75							
0.5...0.75 / 0.5...0.5							
Note							
PZ 6/5 recommended as crimping tool for 1.5 mm <sup>2</sup> with wire-end ferrule							

IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7				
250	150	300	176				
17.5	15	10	15				
1.5	AWG 22...14	AWG 24...16	1.5 mm <sup>2</sup>				
				4 kV / 3			
				A1 / V-2			
				SIRA02ATEX3001U			
Rated connection		Further connection					
0.5...2.5 / 1.5...1.5							
0.5...1.5 / 0.5...1.5							
0.4...0.6 Nm (M 2.5)							
7 / 3.0 x 0.5 mm							
0.5...1							
Note							

#### Ordering data

Version	
	dark beige
	beige
	blue
Note	

Type	Qty.	Order No.
WDU 1.5/R3.5	100	1753280000
WDU 1.5/R3.5 BL	100	1754170000

Type	Qty.	Order No.
AKZ 1.5	100	0340460000
AKZ 1.5 BL	100	0340480000

AKZ 1.5 order No. 0340460000 and 0340480000 made of PA with flammability rating acc. to UL 94/V-2

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Test plug
	Socket
Identification systems	
Pluggable cross-connection	
	2-pole
	10-pole

Type	current	Qty.	Order No.
WAP WDK1.5/R3.5		20	1754200000
EW 15		50	0382860000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
ZQV 1.5N/R3.5/2 GE	17.5 A	50	1754210000
ZQV 1.5N/R3.5/10 GE	17.5 A	20	1754290000

Type	current	Qty.	Order No.
Q 2 AKZ1.5	24 A	50	0368200000
Q 10 AKZ1.5	24 A	20	0368500000
AP AKZ1.5		50	0340560000
AP AKZ1.5 BL		50	0340580000
EW 15		50	0382860000
PS 2.3 RT		20	0180400000
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

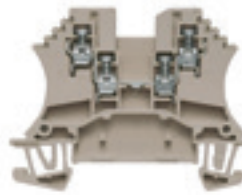
Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

**WDU 1.5/ZZ**

**1.5 mm<sup>2</sup>**

Twin connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5	
<b>23 / 2.5</b>	
<b>0.13...2.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

**Accessories**

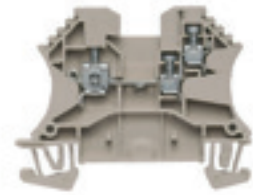
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
	With spigot
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

**WDU 2.5/1.5/ZR**

**2.5 mm<sup>2</sup>**

Supplementary connection, right



5.1 x 60 x 46.5	
<b>32 / 4</b>	
<b>0.05...4</b>	

IEC 60947-1		Ex e II		II 2 G D	
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>		
800	300	300	550		
24	20	20	21		
2.5	AWG 30...12	AWG 26...14	2.5 mm <sup>2</sup>		
8 kV / 3					
A3, A1 / V-0					
CE CB CB2 CB3 CB4 CB5 CB6 CB7 CB8 CB9 CB10 CB11 CB12 CB13 CB14 CB15 CB16 CB17 CB18 CB19 CB20 CB21 CB22 CB23 CB24 CB25 CB26 CB27 CB28 CB29 CB30 CB31 CB32 CB33 CB34 CB35 CB36 CB37 CB38 CB39 CB40 CB41 CB42 CB43 CB44 CB45 CB46 CB47 CB48 CB49 CB50 CB51 CB52 CB53 CB54 CB55 CB56 CB57 CB58 CB59 CB60 CB61 CB62 CB63 CB64 CB65 CB66 CB67 CB68 CB69 CB70 CB71 CB72 CB73 CB74 CB75 CB76 CB77 CB78 CB79 CB80 CB81 CB82 CB83 CB84 CB85 CB86 CB87 CB88 CB89 CB90 CB91 CB92 CB93 CB94 CB95 CB96 CB97 CB98 CB99 CB100					
KEMA98ATEX1685U					
<b>Rated connection</b>		<b>Further connection</b>			
0.5...4 / 1.5...4		0.5...2.5 / 0.5...2.5			
0.5...4 / 0.5...2.5		0.5...1.5 / 0.5...1.5			
0.4...0.6 Nm (M 2.5)		10 / 0.6 x 3.5 mm			
7 / 0.6 x 3.5 mm		7 / SD 0.6 x 3.5			
0.5...1					
0.5...1.5 / 0.5...1.5					
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).					

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>		<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2		24 A	60	1527540000
ZQV 2.5N/10		24 A	20	1527690000
WQV 2.5/2		32 A	50	1053660000
WQV 2.5/10		32 A	20	1054460000
WAP 2.5-10			50	1050000000
WAP 2.5-10 BL			50	1050080000
WAP 16+35 WTW 2.5-10			20	1050100000
WAP 16+35 WTW 2.5-10 BL			20	1050180000
WEW 35/2			100	1061200000
WTA 2 WDU2.5-10			25	1632320000
WTA 2/ZA WDU2.5-10			25	1632330000
WAD 4 GE BED			50	1072000000
WAD 4 WS			50	1072100000
DEK 5/5 MC NE WS			1000	1609801044
WS 12/5 MC NE WS			720	1609860000
DEK 5/5 MM WS			800	2007110000
WS 8/5 MM WS			800	2007150000

Note: Use a 2.5 / 1 mm<sup>2</sup> conductor with the WQB. Cross-connections, see section „W series accessories“.

<b>Type</b>		<b>Qty.</b>	<b>Order No.</b>
WDU 1.5/ZZ		100	1031400000
WDU 1.5/ZZ BL		100	1031480000

<b>Type</b>		<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2		24 A	60	1527540000
ZQV 2.5N/10		24 A	20	1527690000
WQV 2.5/2		32 A	50	1053660000
WQV 2.5/10		32 A	20	1054460000
WAP 2.5-10			50	1050000000
WAP 2.5-10 BL			50	1050080000
WAP 16+35 WTW 2.5-10			20	1050100000
WAP 16+35 WTW 2.5-10 BL			20	1050180000
WEW 35/2			100	1061200000
WTA 2 WDU2.5-10			25	1632320000
WTA 2/ZA WDU2.5-10			25	1632330000
WAD 4 GE BED			50	1072000000
WAD 4 WS			50	1072100000
DEK 5/5 MC NE WS			1000	1609801044
WS 12/5 MC NE WS			720	1609860000
DEK 5/5 MM WS			800	2007110000
WS 8/5 MM WS			800	2007150000

Cross-connections, socket and test plug, see section „W series accessories“.

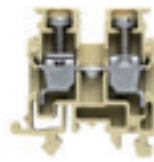
# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

### AKZ 2.5

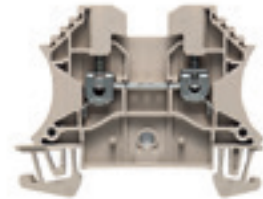
2.5 mm<sup>2</sup>

Feed-through terminal



### WDU 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 25.5 x 26.3	
<b>32 / 4</b>	
<b>0.13...4</b>	

5.1 x 60 x 46.5	
<b>32 / 4</b>	
<b>0.05...4</b>	

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	-
Note	

IEC 60947-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
250	300	300	176
24	10	10	21
2.5	AWG 26...12	AWG 26...10	2.5 mm <sup>2</sup>
4 kV / 3			
A3 / V-2			
		SIRA02ATEX3001U	
Rated connection		Further connection	
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
7 / 3.0 x 0.5 mm			
0.5...1.5			

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
800	600	600	690
24	25	20	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
			KEMA98ATEX1683U
Rated connection		Further connection	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.8 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

### Ordering data

Version	
	dark beige
	beige
	blue
Note	

Type	Qty.	Order No.
AKZ 2.5	100	<b>0697160000</b>
AKZ 2.5 BL	100	<b>0697180000</b>
AKZ 2.5 order No. 0697160000 and 0697180000 made of PA with flammability rating acc. to UL 94V-2		

Type	Qty.	Order No.
WDU 2.5	100	<b>1020000000</b>
WDU 2.5 BL	100	<b>1020080000</b>
Rated voltage is 400 V when using the cross-connector. For colour versions, see section on W-series Accessories		

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
	With spigot
	Test plug
	Socket
Cover	
	Blank, yellow
	Blank, white
	With lightning flash symbol
Identification systems	
	DEK 5/5 MC NE WS
	DEK 5/5 MC NE WS
	WS 12/5 MC NE WS
	DEK 5/5 MM WS
	WS 8/5 MM WS
For detailed information on other accessories and application in the online catalogue	

Type	current	Qty.	Order No.
Q 2 AKZ1.5	24 A	50	<b>0368200000</b>
Q 10 AKZ1.5	24 A	20	<b>0368500000</b>
AP AKZ2.5		50	<b>0697360000</b>
AP AKZ2.5 BL		50	<b>0697380000</b>
TW AKZ2.5		20	<b>0318560000</b>
EW 15		50	<b>0382860000</b>
PS 2.3 RT		20	<b>0180400000</b>
STB 8.5/D4/2.3/M2.5 AKZ		50	<b>0215700000</b>
Cross-connections, see section „W series accessories“.			

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16+35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/2		100	<b>1061200000</b>
WTA 2 WDU2.5-10		25	<b>1632320000</b>
WTA 2/ZA WDU2.5-10		25	<b>1632330000</b>
WAD 5 MC NE GE		48	<b>1112920000</b>
WAD 5 MC NE WS		48	<b>1112910000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
Ensure 2.5 mm <sup>2</sup> max. when using the WQB. Only 400 V with the use of shield bus LS 2.8 1056400000.			





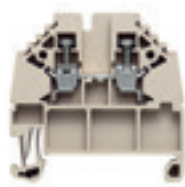
Screw connection with clamping yoke technology (W-Series)

Feed-through terminal blocks

WDU 2.5N/600 UL

2.5 mm<sup>2</sup>

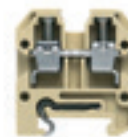
600 V UL/CSA  
Compact design



AKZ 4

4 mm<sup>2</sup>

Solid / stranded  
Flexible / flexible with wire-end ferrule



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 44 x 42.7
32 / 4
0.05...4

6.1 x 27 x 29
41 / 6
0.13...6

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
24	25	20	
2.5	AWG 22...12	AWG 26...12	
8 kV / 3			
A3 / V-0			
CE CB IEC			
Rated connection	Further connection		
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

IEC 60947-1				Ex e II		II 2 G D	
IEC	UL	CSA	EN 60079-7				
400	300	300	275				
32	27	10	28				
4	AWG 26...12	AWG 24...12	4 mm <sup>2</sup>				
6 kV / 3							
A3 / V-2							
CE CB IEC				SIRA02ATEX3001U			
Rated connection	Further connection						
0.5...6 / 1.5...4							
0.5...4 / 0.5...2.5							
0.6...0.8 Nm (M 3)							
8 / 0.6 x 3.5 mm							
0.5...1.5							

Ordering data

Version	dark beige
	beige
	blue
Note	

Type	Qty.	Order No.
WDU 2.5N/600UL	100	1730940000

Type	Qty.	Order No.
AKZ 4	100	0294360000
AKZ 4 BL	100	0294380000
AKZ 4 order No. 0294360000 and 0294380000 made of PA with flammability rating acc. to UL 94/V-2		

Accessories

Pluggable cross-connection		2-pole	
		10-pole	
Screwable cross-connection		2-pole	
		10-pole	
End plate / Partition plate		dark beige	
		Blue	
		dark beige	
		Blue	
End bracket		dark beige	
Testing / Checking		Standard	
		With spigot	
		Test plug	
		Socket	
Cover		Blank, white	
		Blank, yellow	
		With lightning flash symbol	
Identification systems			
For detailed information on other accessories and application in the online catalogue			

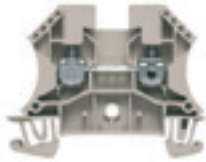
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
WEW 35/2		100	1061200000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 WS		50	1072100000
WAD 4 GE BED		50	1072000000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MM WS		800	2007150000
DEK 5/5 MM WS		800	2007110000
Socket and test plug, see section „W-Series accessories“.			

Type	current	Qty.	Order No.
Q 2 AKZ4	32 A	50	0336400000
Q 10 AKZ4	32 A	20	0368600000
AP AKZ4		20	0294460000
AP AKZ4 BL		20	0294480000
TW AKZ4		50	0348260000
EW 15		50	0382860000
PS 2.3 RT		20	0180400000
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
DEK 5/6 MC NE WS		1000	1609820000
Cross-connections, see section „W series accessories“.			

**WDU 4**

**4 mm<sup>2</sup>**

Solid / stranded  
Flexible / flexible with wire-end ferrule



6.1 x 60 x 46.5  
**41 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	35	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE, RoHS, REACH, N, W, KEMA98ATEX1683U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	
Rated voltage is 400 V when using the ZQV cross-connector. Note max. current of terminal (41 A) when using WQV!	

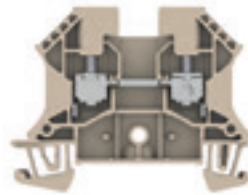
Type	Qty.	Order No.
WDU 4	100	1020100000
WDU 4 BL	100	1020180000
1000 VDC rated voltage tested. Rated voltage is 400 V when using the cross-connector. For alternative colours, see section on W-series accessories		

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Socket and test plug, see section „W series accessories“. Only 400 V with the use of shield bus LS 2.8 1056400000.

**WDU 4 HV**

**4 mm<sup>2</sup>**



6.1 x 60 x 46.5  
**41 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
8 kV / 3			
A4 / V-0			

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm (M 3)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4 HV	100	1412960000

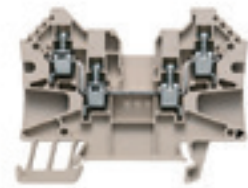
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Socket and test plug, see section „W series accessories“. Only 400 V with the use of shield bus LS 2.8 1056400000.

**WDU 4/ZZ**

**4 mm<sup>2</sup>**

Twin connection



6.1 x 70 x 53  
**32 / 6**  
**0.05...6**



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	30	30	29.5
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE, RoHS, REACH, KEMA08ATEX0014U

Rated connection	Further connection
0.5...6	
0.5...4 / 0.5...4	
0.5...0.8 Nm (M 3)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4/ZZ	50	1905060000
WDU 4/ZZ BL	50	1114720000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

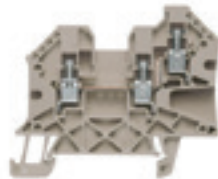
Universal range

A

### WDU 4/ZR

4 mm<sup>2</sup>

Supplementary connection, right



### WDU 4N

4 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 63.5 x 53	
<b>32 / 6</b>	
<b>0.05...6</b>	

6.1 x 44 x 37.7	
<b>39 / 6</b>	
<b>0.13...6</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	600	600	690	500	300		440
32	30	30	30.5	32	10		
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>	4	AWG 26...10		4 mm <sup>2</sup>
8 kV / 3				6 kV / 3			
A4 / V-0				A4 / V-0			
CE     KEMA08ATEX0014U				CE   TÜV04ATEX2630U			
Rated connection		Further connection		Rated connection		Further connection	
0.5...6		0.5...6		0.5...6 / 1.5...6		0.5...6 / 1.5...6	
0.5...4 / 0.5...4		0.5...4 / 0.5...4		0.5...4 / 0.5...4		0.5...4 / 0.5...4	
0.5...0.8 Nm (M 3)		0.5...0.8 Nm (M 3)		0.5...1 Nm (M 3)		0.5...1 Nm (M 3)	
10 / 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm		11 / 0.6 x 3.5 mm		11 / 0.6 x 3.5 mm	
0.5...1.5		0.5...1.5		0.5...1.5		0.5...1.5	
0.5...1.5 / 0.5...1.5		0.5...1.5 / 0.5...1.5		0.5...1.5		0.5...1.5	
Note							

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
500	300		440	500	300		440
32	10			32	10		
4	AWG 26...10		4 mm <sup>2</sup>	4	AWG 26...10		4 mm <sup>2</sup>
8 kV / 3				6 kV / 3			
A4 / V-0				A4 / V-0			
CE   KEMA08ATEX0014U				CE   TÜV04ATEX2630U			
Rated connection		Further connection		Rated connection		Further connection	
0.5...6 / 1.5...6		0.5...6		0.5...6 / 1.5...6		0.5...6 / 1.5...6	
0.5...4 / 0.5...4		0.5...4 / 0.5...4		0.5...4 / 0.5...4		0.5...4 / 0.5...4	
0.5...1 Nm (M 3)		0.5...1 Nm (M 3)		0.5...1 Nm (M 3)		0.5...1 Nm (M 3)	
11 / 0.6 x 3.5 mm		11 / 0.6 x 3.5 mm		11 / 0.6 x 3.5 mm		11 / 0.6 x 3.5 mm	
0.5...1.5		0.5...1.5		0.5...1.5		0.5...1.5	
0.5...1.5		0.5...1.5		0.5...1.5		0.5...1.5	
Note							

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 4/ZR	50	1905140000
Note		

Type	Qty.	Order No.
WDU 4N	100	1042600000
WDU 4N BL	100	1042680000
Note		

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
	With spigot
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
WEW 35/2		100	1061200000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

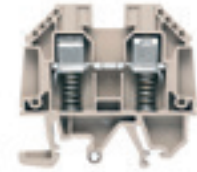
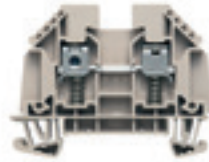
Cross-connections, see section „W series accessories“.

WDU 4 SL

4 mm<sup>2</sup>

WDU 4 SL/EN

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 46.5
<b>41 / 6</b>
<b>0.22...6</b>

6.1 x 60 x 51.5
<b>41 / 6</b>
<b>0.22...6</b>

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
630	600	300	275
32	30	25	28
4	AWG 22...10	AWG 22...10	4 mm <sup>2</sup>
6 kV / 2			
A4 / V-0			
CE	RU	SIRA02ATEX3242U	
<b>Rated connection</b>		<b>Further connection</b>	
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm (M 3)			
15 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Note the max. current of the terminal (41 A) when using the cross-connector!			

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
630	600	300	275
32	30	25	28
4	AWG 22...10	AWG 22...10	4 mm <sup>2</sup>
6 kV / 2			
A4 / V-0			
CE	RU	SIRA02ATEX3242U	
<b>Rated connection</b>		<b>Further connection</b>	
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm (M 3)			
15 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Note the max. current of the terminal (41 A) when using the cross-connector!			

Ordering data

<b>Version</b>	
	dark beige
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4 SL	50	9537440000
WDU 4 SL BL	50	9203060000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4 SL/EN	50	9537450000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	dark beige
<b>Testing / Checking</b>	
	Standard
<b>Cover</b>	
	Blank, yellow
	Blank, white
<b>Identification systems</b>	
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>Hak. Cable lugs</b>	
	HBT 1,5 - 3,0 RT
	HBT 2,5 - 3,0 BL
<b>For detailed information on other accessories and application in the online catalogue</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WS 12/6 MC NE WS		600	1609900000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
Cross-connections, see section „W series accessories“.			

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WS 12/6 MC NE WS		600	1609900000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
Cross-connections, socket and test plug, see section „W series accessories“. Only 400 V with the use of shield bus LS 2.8 1056400000.			

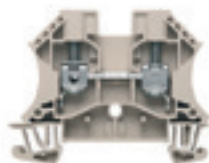
# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

Universal range

**A**

### WDU 6 6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 46.5
<b>57 / 10</b>
<b>0.22...10</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	690
41	50	50	36
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

CE, RoHS, REACH, N, V, KEMA98ATEX1683U

Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
12 / 0.8 x 4.0 mm	
0.5...2.5	
0.5...2.5 / 0.5...2.5	

Note max. current of terminal (57 A) when using WQV Wire connection H07V...10 and AWG 8 with tightening torque of 1.4-1.6 Nm.

#### Ordering data

Version	dark beige dark beige blue
Note	

Type	Qty.	Order No.
WDU 6	100	1020200000
WDU 6 BL	100	1020280000

1000 VDC rated voltage tested.  
For colour versions, see section on W-series Accessories - specific functions.

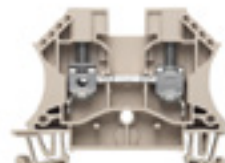
#### Accessories

Screwable cross-connection	
	2-pole 10-pole
End plate / Partition plate	
	dark beige Blue dark beige Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
Cover	
	Blank, yellow Blank, white
Identification systems	
Pluggable cross-connection	
	2-pole 10-pole
Hak. Cable lugs	
For detailed information on other accessories and application in the online catalogue	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000

Cross-connections, socket and test plug, see section „W series accessories“. Only 400 V with the use of shield bus LS 2.8 1056400000.

### WDU 6 HV 6 mm<sup>2</sup>



7.9 x 60 x 46.5
<b>57 / 10</b>
<b>0.22...10</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
41			
6			
8 kV / 3			
A5 / V-0			

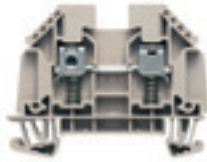
Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
12 / 0.8 x 4.0 mm	
0.5...2.5 / 0.5...2.5	

Type	Qty.	Order No.
WDU 6 HV	100	1412970000
WDU 6 IR	100	1393350000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000

WDU 6 SL

6 mm<sup>2</sup>



7.9 x 60 x 46.5  
57 / 6  
0.5...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	275
41	50	45	36
6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>

6 kV / 2

A5 / V-0

CE SIRA02ATEX3242U

Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL	50	9537460000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

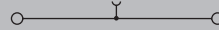
Cross-connections, see section „W series accessories“.

WDU 6 SL/EN

6 mm<sup>2</sup>



7.9 x 60 x 51.1  
57 / 6  
0.5...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	275
41	50	45	36
6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>

6 kV / 2

A5 / V-0

CE SIRA02ATEX3242U

Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL/EN	50	9537470000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

#### WDU 10

10 mm<sup>2</sup>



#### WDU 10 IR

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.9 x 60 x 46.5
<b>76 / 16</b>
<b>1.31...16</b>

9.9 x 60 x 46.5
<b>76 / 16</b>
<b>1.31...16</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000	600	600	690
57	65	65	50
10	AWG 18...6	AWG 18...6	10 mm <sup>2</sup>
8 kV / 3			
B6 / V-0			
CE         KEMA98ATEX1683U			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm (M 4)			
12 / 1.0 x 5.5 mm			
1.5...6 / 0.5...6			
0.5...6 / 0.5...6			
Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
57			
10			
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.5...1.8 Nm (M 4)			
12 / 1.0 x 5.5 mm			

#### Ordering data

Version	
	dark beige
	black (combi clip-on feet TS 32/25)
	blue
Note	

Type	Qty.	Order No.
WDU 10	50	1020300000
WDU 10 BL	50	1020380000
1000 VDC rated voltage tested. For alternative colours, see section on W-series accessories – specific functions.		

Type	Qty.	Order No.
WDU 10 IR	50	1393380000

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
Cover	
	Blank, yellow
	Blank, white
Identification systems	
Hak. Cable lugs	

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section „W series accessories“. Only 400 V with the use of shield bus LS 2.8 1056400000.



WDU 10/ZR

10 mm<sup>2</sup>

Additional connection on right 4 mm<sup>2</sup>



9.9 x 70 x 49  
76 / 16  
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	65	65	
10	AWG 16...6	AWG 16...6	
8 kV / 3			
B6, A4 / V-0			

Rated connection		Further connection	
1.5...16 / 1.5...16		0.5...6 / 1.5...4	
1...16 / 1.5...16		0.5...4 / 0.5...4	
1.2...1.9 Nm (M 4)			
12 / 0.6 x 3.5 mm		10 / 0.6 x 3.5 mm	
1.5...6			
1...6 / 1...6			
Note max. current of terminal (76 A) when using WQV1 Tighten AWG 6/7 and H07V-R16 to 2.4 Nm. Upper right ZR connection A 4.			

Type	Qty.	Order No.
WDU 10/ZR	50	1042400000
WDU 10/ZR BL	50	1042480000
The measurement data relates to the 10 mm <sup>2</sup> connection.		

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, socket and test plug, see section „W series accessories“.

WDU 10 SL

10 mm<sup>2</sup>



9.9 x 60 x 46.25  
76 / 10  
1.31...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
630	150	300	275
57	50	65	50
10	AWG 16...8	AWG 16...6	10 mm <sup>2</sup>
6 kV / 2			
A5 / V-0			

Rated connection		Further connection	
1.5...10 / 1.5...10			
1...6 / 1.5...10		10	
1.2...2.4 Nm (M 4)			
17 / 1.0 x 5.5 mm			
1.5...4			
2.5...4 / 1...4			
ESI rated data: 500 V/36 A / 16 mm <sup>2</sup> stranded connection must be tightened with 2 Nm.			

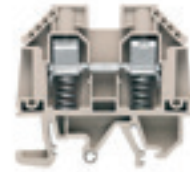
Type	Qty.	Order No.
WDU 10 SL	50	9537480000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

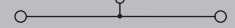
Cross-connections, see section „W series accessories“.

WDU 10 SL/EN

10 mm<sup>2</sup>



9.9 x 56.6 x 51.1  
76 / 16  
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
630	600	300	275
57	50	65	50
10	AWG 16...8	AWG 16...6	10 mm <sup>2</sup>
6 kV / 2			
A6 / V-0			

Rated connection		Further connection	
1.5...16 / 1.5...16			
1...6 / 1.5...10		10	
1.2...2.4 Nm (M 4)			
17 / 1.0 x 5.5 mm			
1.5...4			
2.5...4 / 1...4			
ESI rated data: 500 V/36 A / 16 mm <sup>2</sup> stranded connection must be tightened with 2 Nm.			

Type	Qty.	Order No.
WDU 10 SL/EN	50	9537490000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, see section „W series accessories“.

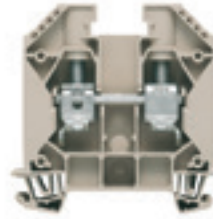
## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

**WDU 16**

**16 mm<sup>2</sup>**

With peg for higher connection stability



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5
<b>101 / 25</b>
<b>0.82...25</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	600	600	690
76	85	85	66
16	AWG 18...4	AWG 18...6	16 mm <sup>2</sup>
8 kV / 3			
B7 / V-0			
CE       KEMA98ATEX1683U			
Rated connection		Further connection	
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm (M 5)			
16 / 1.0 x 5.5 mm			
1.5...4			
1.5...4 / 1.5...4			
Conductor connection H07V...16 and AWG 6 with tightening torque of 2.0-2.4 Nm.			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 16	50	1020400000
WDU 16 BL	50	1020480000
Order No. 1020400000 and 1020480000 (blue) versions without pegs (50 pcs.)		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	current	Qty.	Order No.
WQV 16/2	76 A	50	1053260000
WQV 16/10	76 A	10	1053360000
WAP 16*35 WTW 2.5-10		20	1050100000
WAP 16*35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

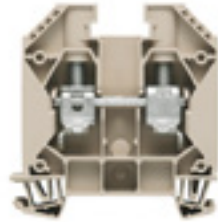
Socket and test plug, see section „W-series accessories“

WDU 16 IR

16 mm<sup>2</sup>

WDU 16N

16 mm<sup>2</sup>



Suitable for power distribution  
Compact design

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5
<b>101 / 25</b>
<b>0.82...25</b>

12 x 60 x 46.5
<b>101 / 25</b>
<b>1.5...25</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
76			
16			
	8 kV / 3		
	B7 / V-0		
Rated connection		Further connection	
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm (M 5)			
16 / 1.0 x 5.5 mm			
Note			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
690	600	300	
76	70	70	
16	AWG 14...6	AWG 14...6	
	8 kV / 3		
	B7 / V-0		
Rated connection		Further connection	
1.5...16 / 1.5...25			
1.5...16 / 1.5...16			
1.2...2.4 Nm (M 4)			
12 / 1.0 x 5.5 mm			
1.5..4			
1.5..4 / 1.5..4			
Note			
AWG 6/7 and H07V-R25 tighten with a tightening torque of 1.5 Nm.			

Ordering data

Version	
	dark beige
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 16 IR	50	1393390000
Note		

Type	Qty.	Order No.
WDU 16N	50	1036100000
WDU 16N BL	50	1036180000
Note		
1000 VDC rated voltage tested.		

Accessories

Screwable cross-connection	
	2-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
Cover	
	With lightning flash symbol
	Blank, white
Additional connection	
	4 mm <sup>2</sup>
Identification systems	

Type	current	Qty.	Order No.
WQV 16/2	76 A	50	1053260000
WQV 16/10	76 A	10	1053360000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WQV 16N/2	76 A	50	1636560000
WQV 16N/4	76 A	50	1636580000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WAD 12N GE BED		50	1073200000
WAD 12N WS		50	1073290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section „W series accessories“.

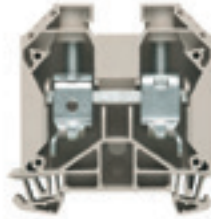
**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

Universal range

**A**

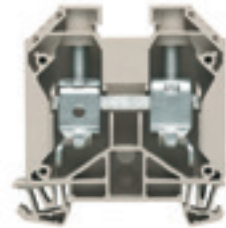
**WDU 35** **35 mm<sup>2</sup>**

Clamping screw / spigot for good connection stability



**WDU 35 IR** **35 mm<sup>2</sup>**

Clamping screw / spigot for good connection stability



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 60 x 62.5	
<b>150 / 50</b>	
<b>2.5...50</b>	

16 x 60 x 62.5	
<b>150 / 50</b>	
<b>2.5...50</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000	1000	600	690
125	150	150	109
35	AWG 12...0	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
B8 / V-0			
CE  KEMA98ATEX1683U			
Rated connection		Further connection	
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
4...5 Nm (M 6)			
18 / 6.5 x 1.2 mm			
2.5...10 / 16...16			
2.5...16 / 2.5...16			
<b>Note</b>			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
125			
35			
8 kV / 3			
B8 / V-0			
Rated connection		Further connection	
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
4...5 Nm (M 6)			
18 / 6.5 x 1.2 mm			
<b>Note</b>			

**Ordering data**

Version	
	dark beige
	dark beige
	blue
<b>Note</b>	

Type	Qty.	Order No.
WDU 35	40	<b>1020500000</b>
WDU 35 BL	40	<b>1020580000</b>
Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).		

Type	Qty.	Order No.
WDU 35 IR	40	<b>1393400000</b>

**Accessories**

Screwable cross-connection	
	2-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
Cover	
	With lightning flash symbol
	Blank, white
Additional connection	
	4 mm <sup>2</sup>
Identification systems	

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	<b>1053060000</b>
WQV 35/10	112 A	10	<b>1053160000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16+35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 12 M.BL.		50	<b>1055960000</b>
WAD 12 NEUTRAL		50	<b>1056260000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	<b>1053060000</b>
WQV 35/10	112 A	10	<b>1053160000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16+35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 12 M.BL.		50	<b>1055960000</b>
WAD 12 NEUTRAL		50	<b>1056260000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

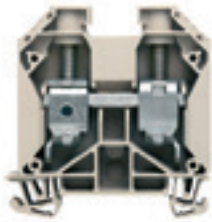
For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section „W series accessories“.

**WDU 35 IK**

**35 mm<sup>2</sup>**

Hexagonal socket / spigot for good connection stability



16 x 60 x 62.5  
**150 / 50**  
**2.5...50**



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	
125	150	150	
35	AWG 12...NaN	AWG 12...1	

8 kV / 3

B8 / V-0

CE, RoHS, REACH, N, RA

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...6 Nm (M 6)	
18 / S4 (DIN 6911)	
2.5...10 / 16...16	
2.5...16 / 2.5...16	

Type	Qty.	Order No.
WDU 35/IK	25	1020600000
WDU 35/IK/ZA	25	1029000000
WDU 35/IK BL	25	1020680000

Order No. 1020600000 and 1020680000 (blue) versions without pegs (25 pcs.).

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Cross-connections, socket and test plug, see section „W series accessories“.

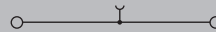
**WDU 35N**

**35 mm<sup>2</sup>**

Suitable for power distribution  
Compact design



16 x 66 x 50.5  
**150 / 50**  
**2.5...50**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	1000	600	352
125	150	150	110
35	AWG 12...0	AWG 12...2	35 mm <sup>2</sup>

6 kV / 3

B8 / V-0

CE, RA, DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm (M 6)	
18 / 6.5 x 1.2 mm	
2.5...6	
2.5...6 / 2.5...6	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 35N	20	1040400000
WDU 35N BL	20	1040480000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	1079200000
WQV 35N/4	101 A	20	1079400000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 16N GE BED		50	1083600000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

#### WDU 50N

50 mm<sup>2</sup>

Compact design



#### WDU 50N IR

50 mm<sup>2</sup>

Six-lobe socket



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18.5 x 70 x 69.6
<b>192 / 70</b>
<b>10...70</b>

18.5 x 70 x 69.6
<b>192 / 70</b>
<b>10...70</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	600	600	690
150	150	150	126
50	AWG 10...0	AWG 8...0	50 mm <sup>2</sup>
8 kV / 3			
B10 / V-0			
CE    KEMA98ATEX1683U			
Rated connection		Further connection	
6...16 / 6...70			
10...50 / 6...50			
3.5...6 Nm (M 6)			
24 / S4 (DIN 6911)			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
150			
50			
8 kV / 3			
B10 / V-0			
CE			
Rated connection		Further connection	
10...16 / 10...70			
10...50 / 10...50			
3...6 Nm (M 6)			
24 / S4 (DIN 6911)			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 50N	10	<b>1820840000</b>
WDU 50N BL	10	<b>1820850000</b>
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	Qty.	Order No.
WDU 50N IR	10	<b>1186630000</b>
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

#### Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Additional connection	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
Ribbon cable clamp	
Identification systems	

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	<b>1834060000</b>
WQV 50N/3	150 A	5	<b>1834070000</b>
WQV 50N/4	150 A	5	<b>1834080000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 50N		5	<b>1872720000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	<b>1834060000</b>
WQV 50N/3	150 A	5	<b>1834070000</b>
WQV 50N/4	150 A	5	<b>1834080000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 50N		5	<b>1872720000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor „WZAD 50N“ 1872720000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

**WDU 70N**

**70 mm<sup>2</sup>**

Compact design



20.5 x 75 x 85  
232 / 95  
16...95



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	167
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

KEMA98ATEX1683U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70N/35	10	9512190000
WDU 70N/35 BL	10	9512420000

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

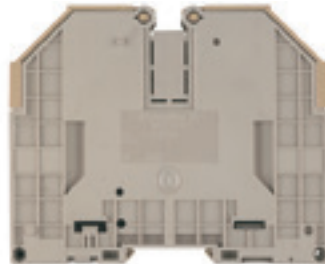
Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Auxiliary connection for additional conductor „WZAD 70N“ 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

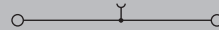
**WDU 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



27 x 132 x 107  
232 / 120  
13.3...120



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	690
232	175	205	202
95	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B12 / V-0

KEMA98ATEX1686U

Rated connection	Further connection
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm (M 8)	
30 / S6 (DIN 6911)	
16...16 / 16...35	
16...35 / 16...35	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70/95	10	1024600000
WDU 70/95 BL	10	1024680000

For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.

Type	current	Qty.	Order No.
WQV 70/95/2	192 A	5	1063500000
WQV 70/95/3	232 A	5	1063600000
WEW 35/1		50	1059000000
WAD 27 M. BL		10	1062860000
WAD 27 NEUTRAL		10	1062960000
WZAD 70/95		10	1066000000
WFL 70/95		5	1616330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Auxiliary connection for the additional conductor „WZAD 70“, 1066000000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section „W series accessories“.

**WDU 95N/120N**

**120 mm<sup>2</sup>**

Compact design



27 x 91 x 90  
290 / 150  
16...150



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	243
120	AWG 4...250	AWG 4...0	120 mm <sup>2</sup>

8 kV / 3  
B13 / V-0

KEMA98ATEX1683U

Rated connection	Further connection
16...16 / 16...150	
16...120 / 16...95	
12...20 Nm (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 95N/120N	5	1820550000
WDU 95N/120N BL	5	1820560000

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	1826890000
WQV 95N/120N/3	269 A	5	1826900000
WQV 95N/120N/4	269 A	5	1826910000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 95N/120N		5	1859580000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Auxiliary connection for additional conductor „WZAD 95N/120N“ 1859580000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

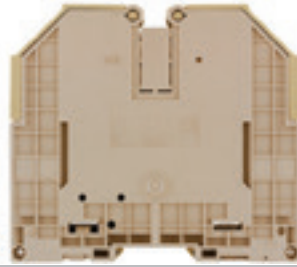
**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

Universal range

A

**WDU 120/150** **120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

32 x 132 x 117	
<b>309 / 150</b>	
<b>33.63...150</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	1000	600	1100
269	225	285	234
120	AWG 2...250	AWG 2...250	120 mm <sup>2</sup>
8 kV / 3			
B13 / V-0			
KEMA98ATEX1686U			
<b>Rated connection</b>	<b>Further connection</b>		
/ 35...150			
35...150 / 35...150			
10...20 Nm (M 10)			
35 / S6 (DIN 6911)			
<b>Rated connection</b>	<b>Further connection</b>		
...16 / 35...70			
35...70 / 35...70			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 120/150	10	<b>1024500000</b>
WDU 120/150 BL	10	<b>1024580000</b>
For direct mounting see section W-Series, Accessories.		

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Additional connection</b>	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
<b>Ribbon cable clamp</b>	
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 120/2	269 A	5	<b>1063300000</b>
WQV 120/3	269 A	5	<b>1063400000</b>
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WEW 35/1	50	<b>1059000000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WAD 27 M. BL.	10	<b>1062860000</b>	
WAD 27 NEUTRAL	10	<b>1062960000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WZAD 120	10	<b>1066100000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WFL 120/150	5	<b>1616340000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
DEK 5/5 MC NE WS	1000	<b>1609801044</b>	
WS 12/6.5 MC NE WS	540	<b>1609920000</b>	

**WDU 240** **240 mm<sup>2</sup>**



36 x 100 x 123.7	
<b>415 / 240</b>	
<b>70...240</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	1100
415	380	400	350
240		AWG 0...500	240 mm <sup>2</sup>
8 kV / 3			
B15 / V-0			
KEMA01ATEX2186U			
<b>Rated connection</b>	<b>Further connection</b>		
/ 70...240			
70...240 / 70...185			
25...30 Nm (M 10)			
40 / S8 (DIN 6911)			
<b>Rated connection</b>	<b>Further connection</b>		
/ 35..95			
50...95 / 35..50			
Copper straps can be used; see online catalogue for possible connections.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 240	2	<b>1802780000</b>
WDU 240 BL	2	<b>1822210000</b>
1000 VDC rated voltage tested.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQB 240/2	320 A	5	<b>1802790000</b>
WQB 240/3	320 A	5	<b>1802800000</b>
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WEW 35/1	50	<b>1059000000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
WZAD 240	5	<b>1802810000</b>	
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
DEK 5/5 MC NE WS	1000	<b>1609801044</b>	
WS 12/6.5 MC NE WS	540	<b>1609920000</b>	

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for the additional conductor „WZAD 120“, 1066100000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section „W series accessories“.



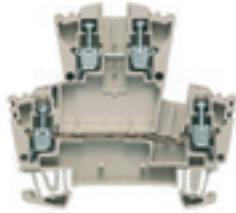




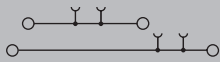
**WDK 2.5 ZQV**

**2.5 mm<sup>2</sup>**

Plug-in cross-connection



5.1 x 65.4 x 62.5  
**32 / 4**  
**0.05...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	25	21
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5 ZQV	100	<b>1041100000</b>
WDK 2.5 ZQV BL	100	<b>1041180000</b>

Rated voltage is 400 V when using the ZQV cross-connector.  
For colour versions, see section on W-series Accessories

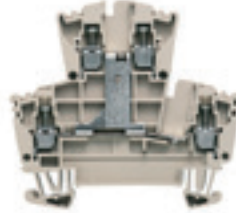
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, test and socket plug, see section „W series accessories“. Ensure 2.5 mm<sup>2</sup> max. when using the WQB.

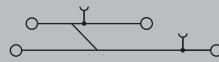
**WDK 2.5 V**

**2.5 mm<sup>2</sup>**

Both levels at one potential



5.1 x 69.5 x 62.5  
**32 / 4**  
**0.05...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	10	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5V	100	<b>1022300000</b>
WDK 2.5V BL	100	<b>1022380000</b>

For colour versions, see section on W-series Accessories - specific functions.

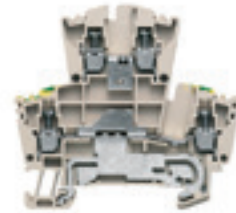
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, test and socket plug, see section „W series accessories“. Ensure 2.5 mm<sup>2</sup> max. when using the WQB.

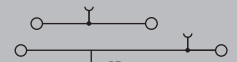
**WDK 2.5 DU-PE**

**2.5 mm<sup>2</sup>**

Lower level earthed on terminal rail



5.1 x 69.5 x 62.5  
**32 / 4**  
**0.05...4**



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	20	21
2.5	AWG 22...12	AWG 22...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5DU-PE	100	<b>1036400000</b>

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

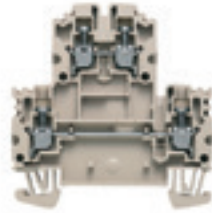
Cross-connections, test and socket plug, see section „W series accessories“. Ensure 2.5 mm<sup>2</sup> max. when using the WQB.

**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

**WDK 2.5N**

**2.5 mm<sup>2</sup>**

Plug-in cross-connection  
 Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 61 x 62	
<b>28 / 4</b>	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	550	
24	20	21	
2.5	AWG 26...12		2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
CE			
KEMA00ATEX2061U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
8 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Rated voltage is reduced to 400 V when using the ZQV 2.5N cross-connector.			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5N	100	1041600000
WDK 2.5N BL	100	1041680000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

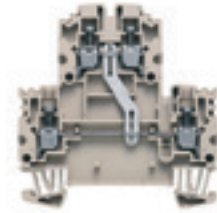
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

**WDK 2.5N V**

**2.5 mm<sup>2</sup>**

Both levels at one potential  
 Compact design



5.1 x 61 x 62	
<b>28 / 4</b>	
<b>0.05...4</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	550	
24	20	21	
2.5	AWG 26...12		2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
CE			
KEMA00ATEX2061U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
8 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Rated voltage is reduced to 400 V when using the ZQV cross-connector.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5N V	100	1041610000

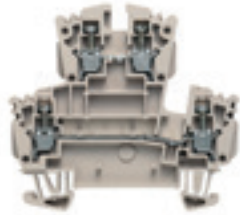
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section „W series accessories“.

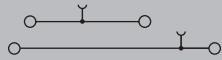
**WDK 2.5 / 800 V**

**2.5 mm<sup>2</sup>**

Rated voltage 800 V



6.1 x 69 x 62.5  
**32 / 4**  
**0.05...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800			440
24			24
2.5		AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDK 2.5/EX	100	<b>1029100000</b>

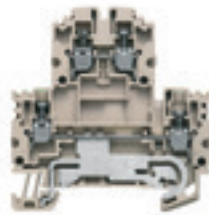
Type	current	Qty.	Order No.
Q 2 AKZ4SS	20 A	50	<b>0369000000</b>
Q 10 AKZ4SS	20 A	20	<b>0369300000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, test and socket plug, see section „W series accessories“. Ensure 2.5 mm<sup>2</sup> max. when using the WQB.

**WDK 2.5N DU-PE**

**2.5 mm<sup>2</sup>**

Lower level earthed on terminal rail  
Compact design



5.1 x 61 x 62  
**28 / 4**  
**0.05...4**



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800		300	550
24		20	21
2.5		AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA00ATEX2061U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is reduced to 400 V when using the ZQV cross-connector. 2 conductors via the PE connection are not permissible!

Type	Qty.	Order No.
WDK 2.5N DU-PE	100	<b>1041650000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDK2.5/4 N		20	<b>1084000000</b>
WAP WDK2.5/4 N BL		20	<b>1084080000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, see section „W series accessories“.

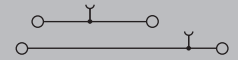
**WDK 4N**

**4 mm<sup>2</sup>**

Solid / stranded  
Flexible / flexible with wire-end ferrule



6.1 x 60 x 63.25  
**35 / 6**  
**0.13...6**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

KEMA00ATEX2061U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm (M 3)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage: 400 V when using ZQV cross-connection  
2 wire H07VU1.5, tighten with 0.6 Nm.

Type	Qty.	Order No.
WDK 4N	100	<b>1041900000</b>
WDK 4N BL	100	<b>1041980000</b>

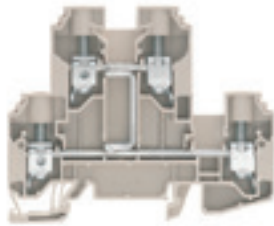
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP WDK2.5/4 N		20	<b>1084000000</b>
WAP WDK2.5/4 N BL		20	<b>1084080000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 8/6 PLUS MC NE WS		600	<b>1951880000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Cross-connections, see section „W series accessories“.

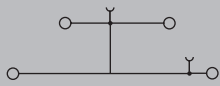


WDK 10 V

10 mm<sup>2</sup>



9.9 x 85 x 69  
73 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	49	49	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm (M 4)	
12 / 1.0 x 5.5 mm	

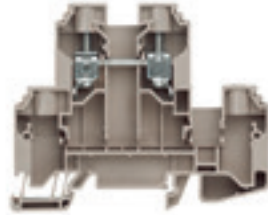
Type	Qty.	Order No.
WDK 10 V	50	1186770000
WDK 10 V BL	50	1186780000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

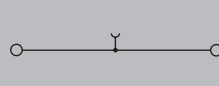
Cross-connections, see section „W series accessories“.

WDK 10 L

10 mm<sup>2</sup>



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800		1000	
57		70	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm (M 4)	
12 / 1.0 x 5.5 mm	

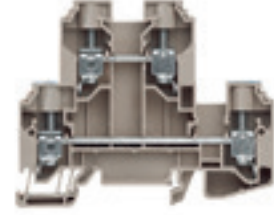
Type	Qty.	Order No.
WDK 10 L	50	1415510000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

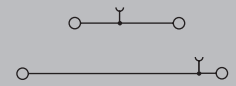
Cross-connections, see section „W series accessories“.

WDK 10 DU-N

10 mm<sup>2</sup>



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 DU-N	50	1415520000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

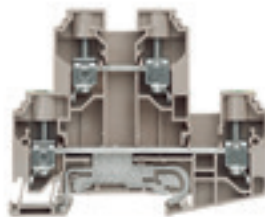
### Feed-through terminal blocks

Universal range

**A**

#### WDK 10 DU-PE

10 mm<sup>2</sup>



#### WDK 10 SET BCD

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.9 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

29.7 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	40	40	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm (M 4)			
12 / 1.0 x 5.5 mm			
Note			

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm (M 4)			
12 / 1.0 x 5.5 mm			
Note			

#### Ordering data

Version	
	dark beige Wemid with PE foot
	dark beige / green / yellow
Note	

Type	Qty.	Order No.
WDK 10 DU-PE	50	1415480000
Note		

Type	Qty.	Order No.
WDK 10 SET BCD	1	1415540000
Note		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Screwdriver	
	Standard
Cover	
	Blank, white
	Blank, yellow
Identification systems	
Cross-connection	
	black
	blue
	red

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

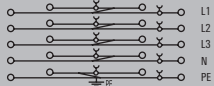


WDK 10 SET LS

10 mm<sup>2</sup>



49.5 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			



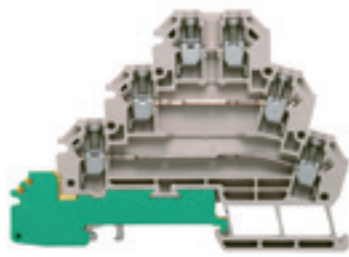
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 SET LS	1	1415530000

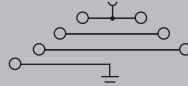
Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044

MAK 2.5

2.5 mm<sup>2</sup>



6.2 x 88 x 63  
31 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			



Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
8 / 0.6 x 3.5 mm	

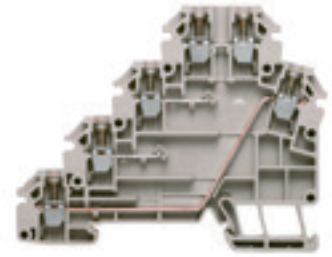
0.5...1  
0.5...1 / 0.5...0.75

Type	Qty.	Order No.
MAK 2.5 DB	50	7917030000

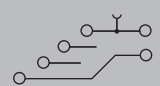
Type	current	Qty.	Order No.
AP MAK2.5 DB		20	7917000000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

VLI 1.5

1.5 mm<sup>2</sup>



6.15 x 79.5 x 63  
24 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
4 kV / 3			
A3 / V-0			



Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
8 / 0.6 x 3.5 mm	

...4

Type	Qty.	Order No.
VLI 1.5 DB	50	1784120000
VLI 1.5/PE DB	50	1784130000

Type	current	Qty.	Order No.
AP VLI1.5 DB		20	1784150000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

### WPE 1.5/R3.5

1.5 mm<sup>2</sup>

Protective earth terminal (V0)



### WPE 1.5/ZZ

1.5 mm<sup>2</sup>

Twin connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 24.5 x 24	
/ 1.5	
0.13...1.5	

5.1 x 60 x 46.5	
/ 2.5	
0.13...2.5	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...18	AWG 26...18	
400			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		

IEC 60947-7-2				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>		
800					
8					
	180 A (1.5 mm <sup>2</sup> )				
	3				
	A1 / V-0				

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-

CE
Rated connection
0.5...1.5 / 1.5...1.5
0.5...1.5 / 0.5...1.5
0.3 Nm (M 2)
7 / 0.4 x 2.5 mm

CE
Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 Nm (M 2.5)
0.4...0.6 Nm
7 / 0.6 x 3.5 mm

### Note

PZ 6/5 recommended as crimping tool for 1.5 mm<sup>2</sup> with wire-end ferrule

### Ordering data

Version	green/yellow
---------	--------------

Type	Qty.	Order No.
WPE 1.5/R3.5	100	1798460000

Type	Qty.	Order No.
WPE 1.5/ZZ	100	1016500000

### Note

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
WAP WDU1.5/R3.5		20	1754190000
EW 15		50	0382860000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

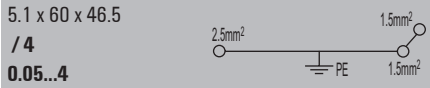
For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail „SH 2“ order No. 0494920000 (QTY 10).

**WPE 2.5/1.5/ZR**

**2.5 mm<sup>2</sup>**

Supplementary connection, right 1.5 mm<sup>2</sup>



IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**

- 0.5...4 / 1.5...4
- 0.5...4 / 0.5...2.5
- 0.4...0.6 Nm (M 2.5)
- 0.4...0.6 Nm
- 10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5/1.5/ZR	100	1016400000

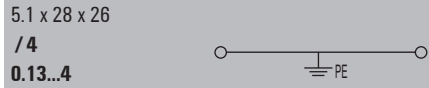
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Rail support protective insulation for installation of mounting rail „SH 2“ order No. 0494920000 (QTY 10).

**AKE 2.5**

**2.5 mm<sup>2</sup>**

Protective earth terminal



IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
250			
4			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-2			

CE

**Rated connection**

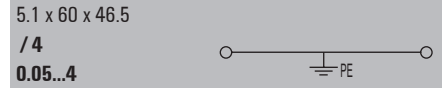
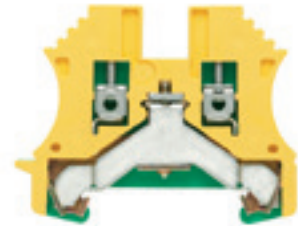
- 0.5...4 / 1.5...2.5
- 0.5...2.5 / 0.5...2.5
- 0.4...0.6 Nm (M 2.5)
- 0.4...0.6 Nm
- 7 / 3.0 x 0.5 mm

Type	Qty.	Order No.
AKE 2.5	100	1303360000

Type	current	Qty.	Order No.
DEK 5/5 MC NE WS		1000	1609801044

**WPE 2.5**

**2.5 mm<sup>2</sup>**



IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**

- 0.5...4 / 1.5...4
- 0.5...4 / 0.5...2.5
- 0.4...0.6 Nm (M 2.5)
- 0.4...0.8 Nm
- 10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5	100	1010000000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

## Screw connection with clamping yoke technology (W-Series)

### PE terminal blocks

#### WPE 2.5N

2.5 mm<sup>2</sup>

Compact design



#### AKE 4

4 mm<sup>2</sup>

Protective earth terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 54 x 37
/ 4
0.05...4

7 x 32 x 34.5
/ 4
0.13...4

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-
Note	

IEC 60947-2				Ex e II Ex II 2 G D			
IEC	UL	CSA	EN 60079-7				
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>				
500							
6							
				300 A (2.5 mm <sup>2</sup> )			
				3			
				A3 / V-0			
CE RoHS Ex K133 A3 V-0							
Rated connection							
0.5...4 / 1.5...4							
0.5...4 / 0.5...2.5							
0.4...0.6 Nm (M 2.5)							
0.4...0.6 Nm							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).							

IEC 60947-2				Ex e II Ex II 2 G D			
IEC	UL	CSA	EN 60079-7				
4	AWG 26...12	AWG 26...12	4 mm <sup>2</sup>				
500							
6							
				3			
				A3 / V-2			
CE RoHS							
Rated connection							
0.5...4 / 1.5...4							
0.5...4 / 0.5...2.5							
0.5...1 Nm (M 3)							
9 / 0.6 x 3.5 mm							

#### Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
WPE 2.5N	100	1016200000

Type	Qty.	Order No.
AKE 4	100	0380260000

#### Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
WAP WDU2.5N/4N		50	1060000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
DEK 5/6.5 MC NE WS		900	1609840000

For detailed information on other accessories and application in the online catalogue

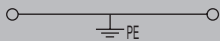
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 4

4 mm<sup>2</sup>



6.1 x 56 x 46.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

Rated connection

0.5...6 / 0.5...6  
0.5...6 / 0.5...4  
0.5...1 Nm (M 3)  
0.4...0.8 Nm  
10 / 0.6 x 3.5 mm

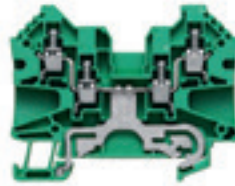
Type	Qty.	Order No.
WPE 4	100	1010100000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

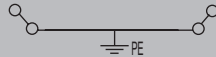
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 4/ZZ

4 mm<sup>2</sup>



6.1 x 70 x 53  
/ 6  
0.05...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

Rated connection

0.5...6 / 0.5...4  
0.5...4 / 0.5...4  
0.5...0.8 Nm (M 3)  
10 / 0.6 x 3.5 mm

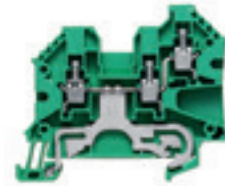
Type	Qty.	Order No.
WPE 4/ZZ	50	1905130000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

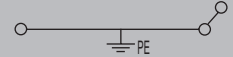
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 4/ZR

4 mm<sup>2</sup>



6.1 x 63.5 x 52.8  
/ 6  
0.05...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

Rated connection

0.5...6 / 0.5...4  
0.5...4 / 0.5...4  
0.5...0.8 Nm (M 3)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WPE 4/ZR	50	1905120000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 4N

4 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 50 x 37	
/ 6	
0.13...6	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-

IEC 60947-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
500			
6			
	480 A (4 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
Rated connection			
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm (M 3)			
10 / 0.6 x 3.5 mm			

**Note**

### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
WPE 4N	100	1042700000

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Identification systems	
PEN bridge	

Type	current	Qty.	Order No.
WAP WDU2.5N/4N		50	1060000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

### WPE 6

6 mm<sup>2</sup>



7.9 x 56 x 46.5	
/ 10	
0.08...10	

IEC 60947-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
0.8...1.3 Nm (M 3)			
0.5...1.0 Nm			
12 / 4.0 x 0.8 mm			

Tighten H07V...10 and AWG 8 conductors to 1.4-1.6 Nm.

Type	Qty.	Order No.
WPE 6	50	1010200000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.8X4.0X100		1	9008340000
DEK 5/6.5 MC NE WS		900	1609840000
WS 12/6.5 MC NE WS		540	1609920000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

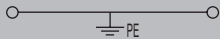
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 10

10 mm<sup>2</sup>



9.9 x 56 x 46.5  
/ 16  
1.31...16



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
1000			
8			
1200 A (10 mm <sup>2</sup> )			
3			
B6 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...16
- 1.5...16 / 1.5...16
- 1.2...1.8 Nm (M 4)
- 0.5...1.0 Nm
- 12 / 1.0 x 5.5 mm

Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

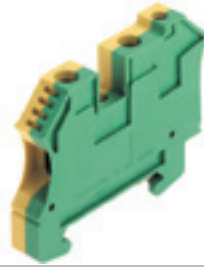
Type	Qty.	Order No.
WPE 10	50	1010300000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 10	57 A	10	1060300000

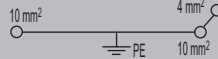
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 10/ZR

10 mm<sup>2</sup>



9.9 x 66 x 49  
/ 16  
1.31...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 14...6	
1000			
8			
1200 A (10 mm <sup>2</sup> )			
3			
B6, A4 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...16
- 1.5...16 / 1.5...16
- 1.2...1.8 Nm (M 4)
- 0.5...1.0 Nm
- 12 / 0.6 x 3.5 mm

Max. conductor cross-sections refer to 10 mm<sup>2</sup> and 16 mm<sup>2</sup> connections. Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

Type	Qty.	Order No.
WPE 10/ZR	50	1042500000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 10	57 A	10	1060300000

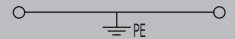
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

WPE 16

16 mm<sup>2</sup>



11.9 x 56 x 62.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...6	16 mm <sup>2</sup>
1000			
8			
1920 A (16 mm <sup>2</sup> )			
3			
B7 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...25
- 1.5...25 / 1.5...16
- 2...3.6 Nm (M 5)
- 1.2...2.4 Nm
- 16 / 1.0 x 5.5 mm

For 25 mm<sup>2</sup>, TS 35 x 15 (steel, 1.5 mm thick) should be used. Tighten H07V..16 and AWG 6 conductors to 2.0-2.4 Nm.

Type	Qty.	Order No.
WPE 16	50	1010400000

Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 16	76 A	10	1060200000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

## Screw connection with clamping yoke technology (W-Series)

### PE terminal blocks

#### WPE 16N

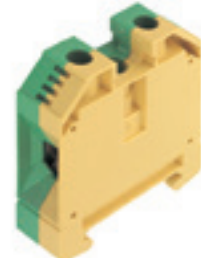
16 mm<sup>2</sup>

Compact design



#### WPE 35

35 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12 x 56 x 46.5	
/ 25	
1.5...25	

16 x 56 x 62.5	
/ 35	
2.5...35	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-

**Note**

#### Ordering data

Version	
	green/yellow

**Note**

#### Accessories

PEN bridge	
End bracket	dark beige
Screwdriver	Standard
Identification systems	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...6	
400			
6			
1920 A (16 mm <sup>2</sup> )			
3			
B7 / V-0			

CE

Rated connection	
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 Nm (M 4)	
0.5...1.0 Nm	
12 / 1.0 x 5.5 mm	

25 mm<sup>2</sup> stranded requires a tightening torque of 2.2 Nm.

Type	Qty.	Order No.
WPE 16N	50	1019100000

Type	current	Qty.	Order No.
WQV 16N-PEN BL	76 A	10	1071360000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
800			
8			
4200 A (35 mm <sup>2</sup> )			
3			
B8 / V-0			

CE

Rated connection	
2.5...16 / 2.5...35	
2.5...35 / 2.5...35	
5 Nm (M 6)	
1.2...2.4 Nm	
18 / 6.5 x 1.2 mm	

**Note**

Type	Qty.	Order No.
WPE 35	25	1010500000

Type	current	Qty.	Order No.
WQB-PEN 35	135 A	10	1060100000
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

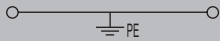


WPE 35/IKSC

35 mm<sup>2</sup>



16 x 56 x 62.5  
/ 35  
2.5...35



IEC 60947-7-2				Ex e II							
IEC	UL	CSA	EN 60079-7								
35	AWG 12...1	AWG 12...2									
800											
8											
4200 A (35 mm <sup>2</sup> )											
3											
B8 / V-0											

CE			
Rated connection			
2.5...16 / 2.5...35			
2.5...35 / 2.5...35			
5 Nm (M 6)			
1.2...2.4 Nm			
18 / 6.5 x 1.2 mm			

Type	Qty.	Order No.
WPE 35/IKSC	25	1012600000

Type	current	Qty.	Order No.
WQB-PEN 35	135 A	10	1060100000
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

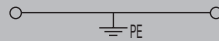
WPE 35N

35 mm<sup>2</sup>



Compact design

16 x 66 x 50.5  
/ 50  
2.5...50



IEC 60947-7-2				Ex e II							
IEC	UL	CSA	EN 60079-7								
35											
400											
6											
4200 A (35 mm <sup>2</sup> )											
3											
B8 / V-0											

CE			
Rated connection			
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
4...5 Nm (M 6)			
1.2...2.4 Nm			
18 / 6.5 x 1.2 mm			

Type	Qty.	Order No.
WPE 35N	20	1717740000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

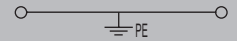
WPE 50N

50 mm<sup>2</sup>



Compact design

18.5 x 71 x 69.6  
/ 70  
5.26...70



IEC 60947-7-2				Ex e II								II 2 G D			
IEC	UL	CSA	EN 60079-7												
50	AWG 10...0	AWG 14...0	50 mm <sup>2</sup>												
1000															
8															
6000 A (50 mm <sup>2</sup> )															
3															
B10 / V-0															

CE			
Rated connection			
10...16 / 10...70			
10...50 / 10...50			
4...6 Nm (M 6)			
3.0...4.0 Nm			
24 / S4 (DIN 69111)			

For 50 and 70 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 50N	10	1846040000

Type	current	Qty.	Order No.
WQV PEN 50N	150 A	5	9201610000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 70N/35

70 mm<sup>2</sup>

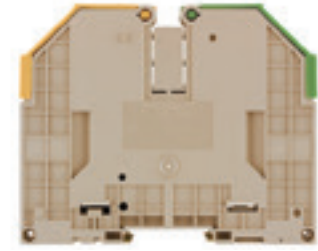
Compact design



### WPE 70/95

95 mm<sup>2</sup>

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

20.5 x 75 x 85	
/ 95	
10...95	

27 x 132 x 107	
/ 120	
13.3...120	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-

**Note**

### Ordering data

Version	
	green/yellow

**Note**

### Accessories

PEN bridge	
End bracket	dark beige
Screwdriver	Standard
Identification systems	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
1000			
8			
	8400 A (70 mm <sup>2</sup> )		
	3		
	B11 / V-0		

CE

Rated connection	
10...16 / 10...95	
10...70 / 10...70	
8...12 Nm (M 8)	
2.0...4.0 Nm	
22 / S6 (DIN 6911)	

For 50 - 95 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 70N/35	10	9512200000

Type	current	Qty.	Order No.
WQV 70N-PEN	192 A	5	9525840000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
1000			
8			
	11400 A (95 mm <sup>2</sup> )		
	3		
	B12 / V-0		

CE

Rated connection	
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm (M 8)	
3.0...6.0 Nm	
30 / S6 (DIN 6911)	

For 50 - 120 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 70/95	10	1037300000

Type	current	Qty.	Order No.
WQV 70/95-PEN	192 A	5	1072300000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

**WPE 95N/120N**

**95 mm<sup>2</sup>**

Compact design



27 x 91 x 90  
/ 150  
16...150



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 4...0	AWG 4...0	120 mm <sup>2</sup>
1000			
8			
	11400 A (95 mm <sup>2</sup> )		
	3		
	B13 / V-0		

CE

**Rated connection**

16...16 / 16...150  
16...120 / 16...95  
16...20 Nm (M 10)  
3.0...4.0 Nm  
27 / S6 (DIN 6911)

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 95N/120N	5	1846030000

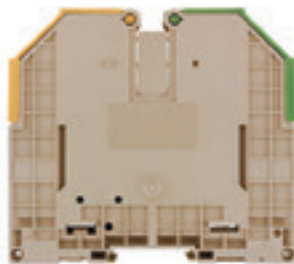
Type	current	Qty.	Order No.
WQV PEN 95N/120N		5	9201630000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

**WPE 120/150**

**120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



32 x 132 x 117  
/ 150  
33.62...150



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
120	AWG 2...250	AWG 2...250	120 mm <sup>2</sup>
1000			
8			
	14400 A (120 mm <sup>2</sup> )		
	3		
	B13 / V-0		

CE

**Rated connection**

/ 35...150  
35...150 / 35...95  
10...20 Nm (M 10)  
3.0...6.0 Nm  
35 / S6 (DIN 6911)

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 120/150	10	1019700000

Type	current	Qty.	Order No.
WQV 120-PEN	269 A	5	1072400000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WDK 2.5 PE

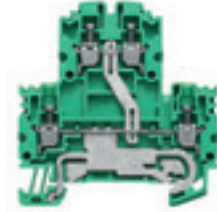
2.5 mm<sup>2</sup>



### WDK 2.5N PE

2.5 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 69.5 x 62.5	
/ 4	
0.05...4	

5.1 x 60.7 x 54.95	
/ 4	
0.05...4	

### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
400			
6			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
10 /			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 26...12		2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
8 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5PE	100	1036300000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5N PE	100	1041620000

### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	
<b>Cover</b>	
	Blank, white
	Blank, yellow

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
<b>WAP WDK2.5</b>			
		20	1059100000
<b>WEW 35/2</b>			
		100	1061200000
<b>SDS 0.6X3.5X100</b>			
		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
<b>WEW 35/2</b>			
		100	1061200000
<b>SDS 0.6X3.5X100</b>			
		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail „SH 2“ order No. 0494920000 (QTY 10).

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10). Cross-connections, see section „W series accessories“.

**WDK 4N PE**

**4 mm<sup>2</sup>**

Compact design



6.1 x 60.7 x 63.25  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A3 / V-0		

CE

**Rated connection**

0.5...6 / 1.5...6

0.5...4 / 0.5...4

0.5...1 Nm (M 3)

8 / 0.6 x 3.5 mm

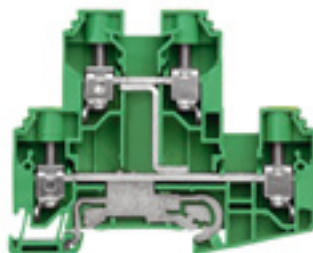
Type	Qty.	Order No.
WDK 4N PE	100	1041920000

Type	current	Qty.	Order No.
WAP WDK2.5/4 N		20	1084000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 PLUS MC NE WS		600	1951880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Rail support protective insulation for installation of mounting rail „SH 2“ order No. 0494920000 (QTY 10).

**WDK 10 PE**

**10 mm<sup>2</sup>**



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 18...6	AWG 18...6	
800			
8			
	1200 A (10 mm <sup>2</sup> )		
	3		
	B6 / V-0		

CE

**Rated connection**

1.5...16 / 1.5...16

1.5...16 / 1.5...16

1.2...1.9 Nm (M 4)

12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
WDK 10 PE	50	1415470000

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000

Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

WSI 4

4 mm<sup>2</sup>

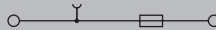
WSI 4

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 50.7 x 42.5
<b>6.3 / 4</b>
<b>0.5...4</b>



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...12	AWG 30...12	
			6 kV / 3
			V-0

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.4 Nm (M 3)	
0.6 x 3.5 mm	

**Note**

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

**Note**

Type	Qty.	Order No.
WSI 4	50	1886580000
WSI 4/LD 10-36V AC/DC	50	1886590000
WSI 4/LD 30-70V AC/DC	50	1886560000
WSI 4/LD 60-150V AC/DC	50	1886570000
WSI 4/LD 140-250V AC/DC	50	1886550000

#### Accessories

End bracket	
	dark beige
Screwdriver	
	With „swiftly set“ cutting device
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SWIFTY SET			
		1	9006060000
SDS 0.6X3.5X100		10	9008330000
G-fuse cartridges			
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

Type	Order No.
WSI 4	1886580000

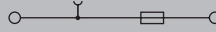
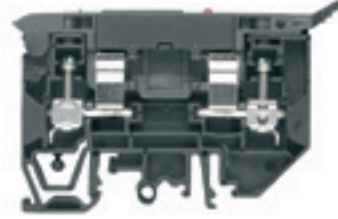
Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	63 °C	4.0 W / 6.3 A	34 °C	1.6 W / 6.3 A
In combination	47 °C	2.5 W / 6.3 A	23 °C	1.6 W / 6.3 A

WSI 4/2

4 mm<sup>2</sup>

WSI 4/2

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.1 x 81.6 x 53.5  
**6.3 / 4**  
**0.5...4**

### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...0.8 Nm (M 3)	
0.6 x 3.5 mm	

Width/height/depth = 9.1 x 58.5 x 81.6 mm

**Note**

### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

**Note**

Type	Qty.	Order No.
WSI 4/2	25	<b>1880430000</b>
WSI 4/2/LD 10-36V AC/DC	25	<b>1880410000</b>
WSI 4/2/LD 30-70V AC/DC	25	<b>1880440000</b>
WSI 4/2/LD 60-150V AC/DC	25	<b>1880420000</b>
WSI 4/2/LD 140-250V AC/DC	25	<b>1880390000</b>

### Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With „swifty set“ cutting device Standard
G25 with indicator / imperial (inch) fuse	
	0.50 A medium slow / 2 A 2.00 A fast / 5 A 4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
WAP WSI4/2		50	<b>1880450000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
GZ 2.0A		10	<b>0294500000</b>
GZ 5.0A		10	<b>0294600000</b>
GZ 10.0A		10	<b>0293900000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>

For detailed information on other accessories and application in the online catalogue

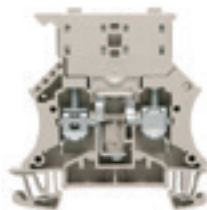
## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

#### WSI 6

6 mm<sup>2</sup>

Metric fuses

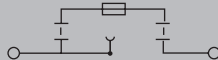


#### WSI 6

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 61  
**6.3 / 10**  
**0.5...10**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
6.3	9.5	10	
6	AWG 22...8	AWG 20...8	
6 kV / 3			
V-0			

CE, RoHS, REACH, N, S

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	

**Note**

#### Ordering data

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

**Note**

Type	Qty.	Order No.
WSI 6	50	1011000000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
	Lock washer
	Mounting screw
End plate / Partition plate	
	dark beige
	dark beige
Screwdriver	
End bracket	
	dark beige
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
SDS 0.8X4.0X100		1	9008340000
WEW 35/2		100	1061200000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

Type	Order No.
WSI 6	1011000000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

For detailed information on other accessories and application in the online catalogue

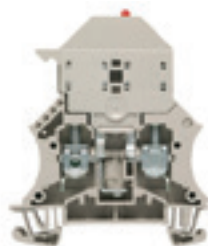
Markers only fit on one side. Cross-connections, see section „W series accessories“.



**WSI 6 LD**

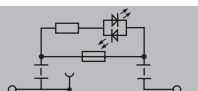
**6 mm<sup>2</sup>**

Metric fuses / bipolar LED



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 71.5  
**6.3 / 10**  
**0.5...10**



**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
6.3			
6	AWG 22...8	AWG 20...8	
			6 kV / 3
			V-0

CE (E) (R) (N) (S)

<b>Rated connection</b>	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	

**Note**

**Ordering data**

<b>Version</b>	500 V AC/DC, without LED 10-36 V AC/DC, with LED 30-70 V AC/DC, with LED 60-150 V AC/DC, with LED 140-250 V AC/DC, with LED
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Type	Qty.	Order No.
WSI 6/LD 10-36V DC/AC	50	1011300000
WSI 6/LD 30-70V DC/AC	50	1012200000
WSI 6/LD 60-150V DC/AC	50	1012300000
WSI 6/LD 250AC	50	1012400000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

**Note**

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole 10-pole Lock washer Mounting screw
<b>End plate / Partition plate</b>	
	dark beige dark beige
<b>Screwdriver</b>	
<b>End bracket</b>	
	dark beige
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast 0.50 A fast 1.00 A fast 2.00 A fast
<b>Identification systems</b>	

Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
<b>WAP 2.5-10</b>			
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
<b>SDS 0.8X4.0X100</b>			
SDS 0.8X4.0X100		1	9008340000
<b>WEW 35/2</b>			
WEW 35/2		100	1061200000
<b>G 20/0.25A/F</b>			
G 20/0.25A/F		10	0430500000
<b>G 20/0.50A/F</b>			
G 20/0.50A/F		10	0430600000
<b>G 20/1.00A/F</b>			
G 20/1.00A/F		10	0430700000
<b>G 20/2.00A/F</b>			
G 20/2.00A/F		10	0430900000
<b>DEK 5/8 MC NE WS</b>			
DEK 5/8 MC NE WS		800	1856740000
<b>WS 12/6.5 MC NE WS</b>			
WS 12/6.5 MC NE WS		540	1609920000
<b>DEK 5/8 MM WS</b>			
DEK 5/8 MM WS		500	2007130000
<b>WS 8/8 MM WS</b>			
WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

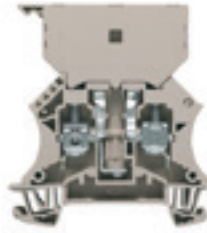
Markers only fit on one side. Cross-connections, see section „W series accessories“.

**Screw connection with clamping yoke technology (W-Series)**  
**Fuse terminal blocks**

**WSI 6/2**

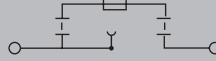
**6 mm<sup>2</sup>**

Imperial fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 66.5  
**6.3 / 10**  
**0.5...10**



**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	150 (C)	
6.3	16	16	
6	AWG 22...8	AWG 20...6	
6 kV / 3			
V-0			

CE, KT2, N, 5A

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	
Note	
Fuse inserts or contact sleeves should be attached in the middle.	

**Ordering data**

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
WSI 6/2 GZ/DEF63	25	1014000000
Note		
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

**Accessories**

Screwable cross-connection	
2-pole	
10-pole	
Lock washer	
Mounting screw	
End plate / Partition plate	
dark beige	
dark beige	
G25 with indicator / imperial (inch) fuse	
0.50 A medium slow / 2 A	
2.00 A fast / 5 A	
4.00 A fast / 10 A	
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
GZ 2.0A		10	0294500000
GZ 5.0A		10	0294600000
GZ 10.0A		10	0293900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

**WSI 6/2**

Overload and short-circuit protection

Type	Order No.
WSI 6/2 GZ/DEF63	1014000000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

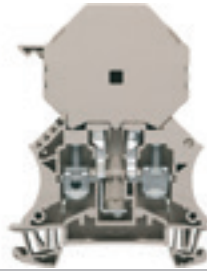
For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section „W series accessories“.

**WSI 6/2 m. LED**

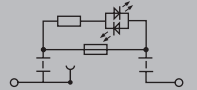
**6 mm<sup>2</sup>**

Imperial fuses / bipolar LED



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 78.5  
**6.3 / 10**  
**0.5...10**



**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
6.3			
6	AWG 22...8	AWG 20...6	
6 kV / 3			
V-0			

CE (E) (R) (N) (S)

<b>Rated connection</b>	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	

**Note**

Fuse inserts or contact sleeves should be attached in the middle.

**Ordering data**

<b>Version</b>	500 V AC/DC, without LED 10-36 V AC/DC, with LED 30-70 V AC/DC, with LED 60-150 V AC/DC, with LED 140-250 V AC/DC, with LED
<b>Note</b>	

Type	Qty.	Order No.
WSI 6/2/LD 10-36V DC/AC	25	1014100000
WSI 6/2/LD 30-70V DC/AC	25	1014200000
WSI 6/2/LD 60-150VDC/AC	25	1014300000
WSI 6/2/LD 250AC	25	1014400000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole 10-pole
	Lock washer Mounting screw
<b>End plate / Partition plate</b>	
	dark beige dark beige
<b>G25 with indicator / imperial (inch) fuse</b>	
	0.50 A medium slow / 2 A 2.00 A fast / 5 A 4.00 A fast / 10 A
<b>Identification systems</b>	

Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
<b>WAP 2.5-10</b>			
WAP 2.5-10		50	1050000000
<b>WAP 16+35 WTW 2.5-10</b>			
WAP 16+35 WTW 2.5-10		20	1050100000
<b>GZ 2.0A</b>			
GZ 2.0A		10	0294500000
<b>GZ 5.0A</b>			
GZ 5.0A		10	0294600000
<b>GZ 10.0A</b>			
GZ 10.0A		10	0293900000
<b>DEK 5/8 MC NE WS</b>			
DEK 5/8 MC NE WS		800	1856740000
<b>WS 12/6.5 MC NE WS</b>			
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

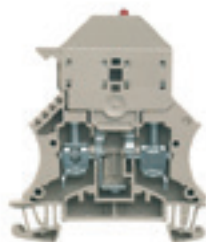
Markers only fit on one side. Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

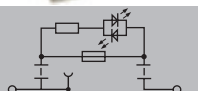
WSI 6/LD LLC

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 71.5  
**6.3 / 10**  
**0.5...10**



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
			/ 3
			V-0



<b>Rated connection</b>	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	

**Note**

#### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

Type	Qty.	Order No.
WSI 6/LD 10-36V LLC	50	1119840000
WSI 6/LD 30-70V LLC	50	1119830000
WSI 6/LD 60-150V LLC	50	1119850000
WSI 6/LD 250AC LLC	50	1119870000

**Note**

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
	Mounting screw
<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>End bracket</b>	
	dark beige
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Screwdriver</b>	
<b>Identification systems</b>	

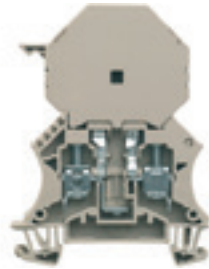
Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
KISC M3X20 SAK10 CU5		100	0377100000
<b>WAP 2.5-10</b>			
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
<b>WEW 35/2</b>			
WEW 35/2		100	1061200000
<b>G 20/0.25A/F</b>			
G 20/0.25A/F		10	0430500000
<b>G 20/0.50A/F</b>			
G 20/0.50A/F		10	0430600000
<b>G 20/1.00A/F</b>			
G 20/1.00A/F		10	0430700000
<b>G 20/2.00A/F</b>			
G 20/2.00A/F		10	0430900000
<b>SDS 0.8X4.0X100</b>			
SDS 0.8X4.0X100		1	9008340000
<b>DEK 5/8 MC NE WS</b>			
DEK 5/8 MC NE WS		800	1856740000
<b>WS 12/6.5 MC NE WS</b>			
WS 12/6.5 MC NE WS		540	1609920000
<b>DEK 5/8 MM WS</b>			
DEK 5/8 MM WS		500	2007130000
<b>WS 8/8 MM WS</b>			
WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section „W series accessories“.

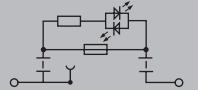
WSI 6/2/LD LLC

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 78.5  
**6.3 / 10**  
**0.5...10**



### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
			/ 3
			V-0



<b>Rated connection</b>	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm (M 3.5)	
0.8 x 4.0 mm	

### Note

### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

Type	Qty.	Order No.
WSI 6/2/LD 10-36V LLC	25	1119800000
WSI 6/2/LD 30-70V LLC	25	1119810000
WSI 6/2/LD 60-150V LLC	25	1119820000
WSI 6/2/LD 250AC LLC	25	1119790000

### Note

### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
	Lock washer
	Mounting screw

<b>End plate / Partition plate</b>	
	dark beige
	dark beige

<b>End bracket</b>	
	dark beige

<b>G25 with indicator / imperial (inch) fuse</b>	
	0.50 A medium slow / 2 A
	2.00 A fast / 5 A
	4.00 A fast / 10 A

<b>Screwdriver</b>	
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<b>Identification systems</b>	
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Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
<b>WAP</b>			
WAP 2.5-10		50	1050000000
WAP 16*35 WTW 2.5-10		20	1050100000
<b>WEW</b>			
WEW 35/2		100	1061200000
<b>GZ</b>			
GZ 2.0A		10	0294500000
GZ 5.0A		10	0294600000
GZ 10.0A		10	0293900000
<b>SDS</b>			
SDS 0.8X4.0X100		1	9008340000
<b>DEK</b>			
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section „W series accessories“.

**Screw connection with clamping yoke technology (W-Series)  
Fuse terminal blocks**

Universal range

A

**WSI 25 10x38**

25 mm<sup>2</sup>



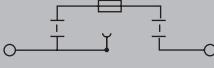
**WSI 25 CC**

25 mm<sup>2</sup>

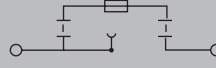


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18 x 81 x 58
<b>32 / 25</b>
<b>1.5...25</b>





18 x 81 x 58
<b>32 / 25</b>
<b>1.5...25</b>



**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
690		600 (C)	
32		30	
25		AWG 18...3	
		6 kV / 3	
		V-0	
CE 			
<b>Rated connection</b>			
1.5...25 / 1.5...25			
1.5...25 / 1.5...25			
2...2.5 Nm			

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
690			
32			
25		AWG 18...3	
		6 kV / 3	
		V-0	
CE 			
<b>Rated connection</b>			
1.5...25 / 1.5...25			
1.5...25 / 1.5...25			
2...2.5 Nm			

**Note**

Suitable for fuse inserts acc. to IEC 60269-6 with power losses up to 3 W maximum.440 V DC

Suitable for fuse cartridges in accordance with IEC 60269-6 with power losses up to max. 3 W.Suitable for fuse cartridges in accordance with UL 248-4.

**Ordering data**

<b>Version</b>	
1-pin, without LED	
2-pin, without LED	
3-pin, without LED	
1-pin, with LED	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WSI 25/1 10x38	12	<b>1966020000</b>
WSI 25/2 10x38	6	<b>1966090000</b>
WSI 25/3 10x38	4	<b>1966080000</b>
WSI 25/1 10x38/LED	12	<b>1966060000</b>
1000 VDC rated voltage tested.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WSI 25/1 CC	12	<b>1966050000</b>
WSI 25/2 CC	6	<b>1966040000</b>
WSI 25/3 CC	4	<b>1966030000</b>
WSI 25/1 CC/LED	12	<b>1966070000</b>

**Note**

**Accessories**

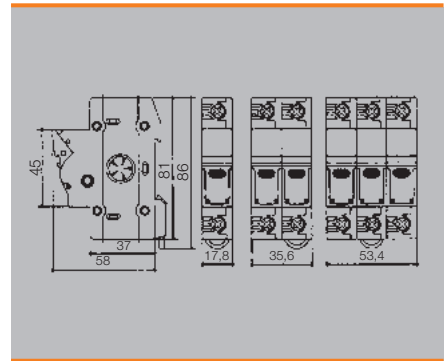
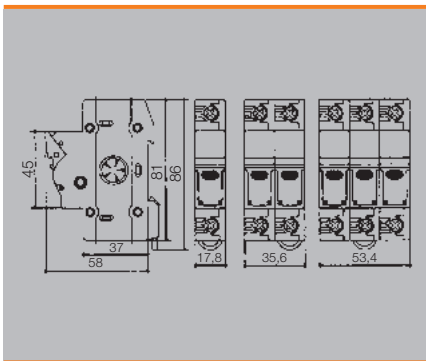
<b>Identification systems</b>	
Marking tags	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ESG 6/15 K MC NE WS		200	<b>1880100000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ESG 6/15 K MC NE WS		200	<b>1880100000</b>

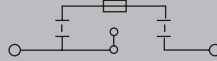
For detailed information on other accessories and application in the online catalogue

**Technical drawing**



WSI 25/1 10x38 1KV

25 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18 x 81 x 58  
**30 / 25**  
**1.5...25**

### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60269-1

IEC	UL	CSA	EN 60079-7
1000		600 (C)	
30		30	
25		AWG 18...8	
			6 kV / 3
			V-0



Rated connection	
1.5...25 / 1.5...25	
1.5...25 / 1.5...25	
2...2.5 Nm	

**Note**

Suitable for fuse cartridges to IEC 60269-6 with power loss up to 3 W maximum.

### Ordering data

Version	
	1-pin, without LED
	1-pin, with LED

**Note**

Type	Qty.	Order No.
WSI 25/1 10x38 1KV	12	1137790000
WSI 25/1 10X38/LED 1KV	12	1137780000

### Accessories

Safety fuses	
2 A	
4 A	
6 A	
8 A	
10 A	
12 A	
16 A	
20 A	

Type	current	Qty.	Order No.
FUSE 1KV DC 2A 10/38		10	1224870000
FUSE 1KV DC 4A 10/38		10	1224880000
FUSE 1KV DC 6A 10/38		10	1224890000
FUSE 1KV DC 8A 10/38		10	1224900000
FUSE 1KV DC 10A 10/38		10	1224910000
FUSE 1KV DC 12A 10/38		10	1224920000
FUSE 1KV DC 16A 10/38		10	1224930000
FUSE 1KV DC 20A 10/38		10	1224950000

For detailed information on other accessories and application in the online catalogue

**Screw connection with clamping yoke technology (W-Series)  
Fuse terminal blocks**

**SAKS 2/35 DB**

10 mm<sup>2</sup>

D fuses E 16



**SAKS 4/35 DB**

10 mm<sup>2</sup>

D 01 fuses E 14



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27.6 x 80 x 73.5	
<b>10 / 16</b>	
<b>0.22...16</b>	

24 x 75 x 65	
<b>16 / 16</b>	
<b>0.22...16</b>	

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500		600 (C)	
10		25	
10		AWG 22...8	
6 kV / 3			
V-0, 5VA			

CE CB CB CB

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	600 (C)	600 (C)	
16	30	30	
10	AWG 26...8	AWG 22...8	
6 kV / 3			
V-0, 5VA			

CE CB CB CB

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

**Note**

Connections for stranded conductors from 10 mm<sup>2</sup> and AWG conductors require a tightening torque of 2 Nm.

400 V also with Neozed marine engineering fuse. On connection of over 10 mm<sup>2</sup> stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

**Ordering data**

Version	
	500 V AC/DC, without LED
<b>Note</b>	

Type	Qty.	Order No.
SAKS 2/35 DB	20	<b>1368700000</b>
Material Duroplast KRG		

Type	Qty.	Order No.
SAKS 4/35 DB	20	<b>0501800000</b>
Material Duroplast KRG		

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
	Lock washer
	Mounting screw
End plate / Partition plate	
	dark beige
Screw cover cap	
	SK
Fuse cartridges	
Gauge rings	
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAKS2	36 A	20	<b>0207800000</b>
QL 10 SAKS2	36 A	20	<b>0338900000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
WTW EN		20	<b>1058800000</b>
SK E16/SAKS2		25	<b>0284110000</b>
E 16/10A RT TNDZ		25	<b>0208500000</b>
E 16/16A GR TNDZ		25	<b>0208600000</b>
E 16/20A BL TNDZ		25	<b>0208700000</b>
E 16/25A GE TNDZ		25	<b>0208800000</b>
P 16/16 GR SAKS2		100	<b>0209000000</b>
P 16/10 RT SAKS2		100	<b>0208900000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Type	current	Qty.	Order No.
QL 2 SAKS4	36 A	20	<b>0328000000</b>
QL 10 SAKS4	36 A	20	<b>0339000000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
WTW EN		20	<b>1058800000</b>
SK E14 SAKS4		20	<b>0339410000</b>
E 14/2A RS		10	<b>0137400000</b>
E 14/4A BR		10	<b>0137500000</b>
E 14/6A GN		10	<b>0328300000</b>
E 14/10A RT		10	<b>0328400000</b>
P 14/4 D01 BR SAKS4		50	<b>0138100000</b>
P 14/2 D01 RS SAKS4		50	<b>0138000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

For detailed information on other accessories and application in the online catalogue

Replacement screw cover cap, order no. 0284110000 (QTY 20) Cross-connections, see section „W series accessories“.

Replacement screw cover cap, order no. 0339410000 (QTY 20) Cross-connections, see section „W series accessories“.



**SAKS 5/35 DB**

**16 mm<sup>2</sup>**

**D 02 fuse E 18**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

28 x 80 x 65
<b>63 / 16</b>
<b>1.5...16</b>



**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	600 (C)	600 (C)	
63	40	63	
16	AWG 14...6	AWG 14...6	
6 kV / 3			
V-0, 5VA			
<b>Rated connection</b>			
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...2.4 Nm (M 4)			
1.0 x 5.5 mm			

**Note**

400 V also with Neozed marine engineering fuse. On connection of over 10 mm<sup>2</sup> stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

**Ordering data**

<b>Version</b>	500 V AC/DC, without LED
<b>Note</b>	

Type	Qty.	Order No.
SAKS 5/35 DB	20	<b>0502100000</b>
Material Duroplast KRG		

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
	Lock washer
	Mounting screw
<b>End plate / Partition plate</b>	
	dark beige
<b>Screw cover cap</b>	
	SK
<b>Fuse cartridges</b>	
<b>Gauge rings</b>	
<b>Identification systems</b>	

Type	current	Qty.	Order No.
QL 2 SAKS2	36 A	20	<b>0207800000</b>
QL 10 SAKS2	36 A	20	<b>0338900000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
<b>WTW EN</b>			
		20	<b>1058800000</b>
<b>SK E18 SAKS5</b>			
		20	<b>0359310000</b>
<b>E 18/20A BL</b>			
		10	<b>0361300000</b>
<b>E 18/25A GE</b>			
		10	<b>0361400000</b>
<b>E 18/35A SW</b>			
		10	<b>0361500000</b>
<b>P 18/20 D02 BL SAKS5</b>			
		50	<b>0361800000</b>
<b>P 18/25 D02 GE SAKS5</b>			
		50	<b>0361900000</b>
<b>P 18/35 D02 SW SAKS5</b>			
		50	<b>0362000000</b>
<b>P 18/50 D02 WS SAKS5</b>			
		50	<b>0362100000</b>
<b>DEK 5/5 MC NE WS</b>			
		1000	<b>1609801044</b>

For detailed information on other accessories and application in the online catalogue

Replacement screw cover cap, order no. 0359310000 (QTY 20) Cross-connections, see section „W series accessories“.

**Screw connection with clamping yoke technology (W-Series)**  
**Fuse terminal blocks**

**WTR 2.5/SI**

**2.5 mm<sup>2</sup>**



**WTR 4/SI**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 97	
<b>6.3 / 4</b>	
<b>0.05...4</b>	

6.1 x 60 x 97	
<b>6.3 / 6</b>	
<b>0.22...6</b>	

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400		300 (D)	
6.3		10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
V-0			

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (C)	
6.3	6.3	6.3	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
V-0			

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

The rated current of the terminal is determined by the max. power loss of 1.6 W at the cartridge fuse.

**Ordering data**

Version	
400 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
WTR 2.5/SI	25	<b>1763940000</b>
WTR 2.5/SI LD 36V	25	<b>1763950000</b>
UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.		

Type	Qty.	Order No.
WTR 4 SI	25	<b>7910240000</b>
WTR 4/SI LD 36V	25	<b>7914370000</b>
WTR 4/SI LD 70V	25	<b>7914380000</b>
WTR 4/SI LD 150V	25	<b>7914390000</b>
WTR 4/SI LD 250V	25	<b>7914400000</b>
UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.		

**Accessories**

Pluggable cross-connection	
2-pole	
10-pole	
2-pole	
10-pole	
End plate / Partition plate	
dark beige	
dark beige	
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP 2.5-10			
		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10			
		20	<b>1050100000</b>
G 20/0.25A/F			
		10	<b>0430500000</b>
G 20/0.50A/F			
		10	<b>0430600000</b>
G 20/1.00A/F			
		10	<b>0430700000</b>
G 20/2.00A/F			
		10	<b>0430900000</b>
SDS 0.6X3.5X100			
		10	<b>9008330000</b>
DEK 5/5 MC NE WS			
		1000	<b>1609801044</b>
WS 12/5 MC NE WS			
		720	<b>1609860000</b>
DEK 5/5 MM WS			
		800	<b>2007110000</b>
WS 8/5 MM WS			
		800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZQV 4N/2 GE	32 A	60	<b>1758250000</b>
ZQV 4N/10 GE	32 A	20	<b>1758260000</b>
WAP 2.5-10			
		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10			
		20	<b>1050100000</b>
G 20/0.25A/F			
		10	<b>0430500000</b>
G 20/0.50A/F			
		10	<b>0430600000</b>
G 20/1.00A/F			
		10	<b>0430700000</b>
G 20/2.00A/F			
		10	<b>0430900000</b>
SDS 0.6X3.5X100			
		10	<b>9008330000</b>
DEK 5/6 MC NE WS			
		1000	<b>1609820000</b>
WS 12/6 MC NE WS			
		600	<b>1609900000</b>
DEK 5/6 MM WS			
		600	<b>2007120000</b>
WS 8/6 MM WS			
		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

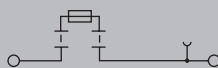
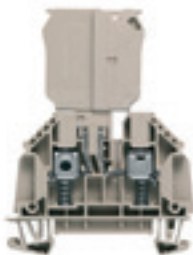
Cross-connection options for WTR 2.5, see section on W-series Accessories.

Cross-connections, see section „W series accessories“.

**WTR 4 SI SL**

4 mm<sup>2</sup>

With fuse holder



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 97  
**6.3 / 6**  
**0.22...6**

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (D)	
6.3	6.3	6.3	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
V-0			

SE KEF

<b>Rated connection</b>	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm (M 3)	
0.6 x 3.5 mm	

**Note**

**Ordering data**

<b>Version</b>	400 V AC/DC, without LED
<b>Note</b>	

Type	Qty.	Order No.
WTR 4 SI SL	25	7910330000

**Accessories**

<b>Pluggable cross-connection</b>	2-pole 10-pole
<b>End plate / Partition plate</b>	dark beige Black dark beige
<b>End bracket</b>	dark beige
<b>Hak. Cable lugs</b>	
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 2.5-10 SW		50	1050010000
WAP 16*35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

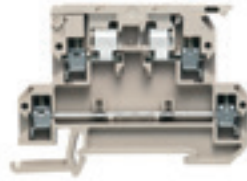
Cross-connections, see section „W series accessories“.

**Screw connection with clamping yoke technology (W-Series)  
Fuse terminal blocks**

**KDKS 1/35 DB**

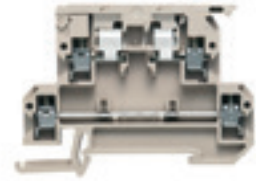
**4 mm<sup>2</sup>**

Metric fuses 5 x 20 mm



**KDKS 1EN/LLC**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 73.5 x 55.6	
<b>6.3 / 4</b>	
<b>0.22...4</b>	

8 x 76.5 x 54.6
-----------------

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	
Note	

IEC 60947-7-3			
IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (D)	
6.3	10	10	
4	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...0.8 Nm (M 3)			
0.6 x 3.5 mm			
Note: max. conductor size = 2.5 mm <sup>2</sup> when using the cross-connector.			

IEC 60947-7-3			
IEC	UL	CSA	EN 60079-7
	300 (C)	150 (C)	
	20	25	
4	AWG 26...12	AWG 26...12	
/ 3			
V-0			
Rated connection			

**Ordering data**

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
KDKS 1/35 DB	50	<b>9532440000</b>
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

Type	Qty.	Order No.
KDKS 1EN/LLC 10-36V AC/DC	50	<b>9802720001</b>
KDKS 1EN/LLC 30-70V AC/DC	50	<b>9908510001</b>
KDKS 1EN/LLC 60-150V AC/DC	50	<b>9802760001</b>
KDKS 1EN/LLC 100-250V AC/DC	50	<b>9915820001</b>

**Accessories**

End plate / Partition plate	
	dark beige
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
AP KDKS1 DB		20	<b>9532470000</b>
G 20/0.25A/F		10	<b>0430500000</b>
G 20/0.50A/F		10	<b>0430600000</b>
G 20/1.00A/F		10	<b>0430700000</b>
G 20/2.00A/F		10	<b>0430900000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>

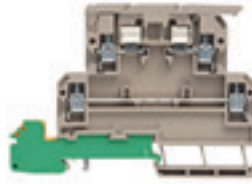
For detailed information on other accessories and application in the online catalogue

**KDKS 1PE/LLC**

**4 mm<sup>2</sup>**

**KDKS 1/35 DB**

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 91 x 65
/ 4
<b>0.33...4</b>

IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3

**Technical data**

Rated data	
Rated voltage to adjoining terminal	-
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Blade size	

IEC	UL	CSA	EN 60079-7
	300 (C)	150 (C)	
	20	25	
4	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1 Nm (M 3)
0.6 x 3.5 mm

**Note**

**Ordering data**

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100-250 V AC/DC, with LED	

Type	Qty.	Order No.
KDKS 1PE/LLC 10-36V AC/DC	50	<b>1518300000</b>
KDKS 1PE/LLC 30-70V AC/DC	50	<b>1518330000</b>
KDKS 1PE/LLC 60-150V AC/DC	50	<b>1518340000</b>
KDKS 1PE/LLC 100-250V AC/DC	50	<b>1518370000</b>

**Note**

Type	Order No.
KDKS 1/35 DB	<b>9532440000</b>

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	23 °C*	4.0 W / 10 A*	41 °C	1.6 W / 6.3 A
In combination	50 °C*	1.6 W / 6.3 A	23 °C	1.6 W / 6.3 A

\* ) Values not available → The values specified were not measured but instead read from the derating curves and transferred to the "only short-circuit protection" operating mode.

For detailed information on other accessories and application in the online catalogue

## Fuse cartridges

### Technical data

<b>for terminal type:</b>
PSI 6/10
WSI 4
WSI 6



### Ordering data

G-type fuse cartridges 5 x 20 without indicator in acc. with IEC 60127-2 (VDE 0820 T.2 B1) <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
Cartridge fuse Rated breaking capacity	G-Si. 5 x 20 1.5 kA	0.1	quick-acting	G 20/0.10A/F	10	0430300000
		0.2	quick-acting	G 20/0.20A/F	10	0430400000
		0.25	quick-acting	G 20/0.25A/F	10	0430500000
		0.5	quick-acting	G 20/0.50A/F	10	0430600000
		0.63	quick-acting	G 20/0.63A/F	10	0439000000
		1	quick-acting	G 20/1.00A/F	10	0430700000
		1.6	quick-acting	G 20/1.60A/F	10	0430800000
		2	quick-acting	G 20/2.00A/F	10	0430900000
		2.5	quick-acting	G 20/2.50A/F	10	0431000000
		3.15	quick-acting	G 20/3.15A/F	10	0431100000
		4	quick-acting	G 20/4.00A/F	10	0431200000
		5	quick-acting	G 20/5.00A/F	10	0431300000
		6.3	quick-acting	G 20/6.30A/F	10	0431400000

(M) = medium time-lag; (F) = quick-acting

### Technical data

<b>for terminal type:</b>
WSI 6



### Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576 <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
Cartridge fuse Rated breaking capacity	G-Si. 5 x 25 80 A	0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000
		0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000
		0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
		1	medium time-lag	G 25/1.00A/M RT	10	0265800000
		10	medium time-lag	G 25/10.0A/M RT	10	0193100000
		2	medium time-lag	G 25/2.00A/F BL	10	0192700000
		4	medium time-lag	G 25/4.00A/F BR	10	0192800000
		6.3	medium time-lag	G 25/6.30A/F GN	10	0192900000

(M) = medium time-lag; (F) = quick-acting

### Technical data

<b>for terminal type:</b>
WSI 4/2
WSI 6/2 GZ/DEF63



### Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
Cartridge fuse Rated breaking capacity	G-Si. 6.3 x 32 50 kA	0.5	quick-acting	GZ 0.5A/F	10	1460580000
		1	quick-acting	GZ 1.0A/F	10	1460590000
		2	quick-acting	GZ 2.0A/F	10	1460600000
		3	quick-acting	GZ 3.0A/F	10	1460610000
		5	quick-acting	GZ 5.0A/F	10	1460620000
		7	quick-acting	GZ 7.0A/F	10	1460630000
		10	quick-acting	GZ 10.0A/F	10	1460640000
		12.5	quick-acting	GZ 12.5A/F	10	1460650000

(M) = medium time-lag; (F) = quick-acting

### Technical data

<b>for terminal type:</b>
SAKS 2/35 DB



### Ordering data

D-type fuse cartridge E 16 with indicator in acc. with DIN 49360 (Diazed)						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
Cartridge fuse Rated breaking capacity	E 16/10A RT	10		E 16/10A RT TNDZ	25	0208500000
		16		E 16/16A GR TNDZ	25	0208600000
		20		E 16/20A BL TNDZ	25	0208700000
		25		E 16/25A GE TNDZ	25	0208800000

(M) = medium time-lag; (F) = quick-acting

### Technical data

<b>for terminal type:</b>
SAKS 4/35 DB



### Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed) <sup>3)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
Cartridge fuse Rated breaking capacity	E 14/10A RT	10		E 14/10A RT	10	0328400000
		16		E 14/16A GR	10	0328500000
		2		E 14/2A RS	10	0137400000
		4		E 14/4A BR	10	0137500000
		6		E 14/6A GN	10	0328300000

(M) = medium time-lag; (F) = quick-acting

## Fuse cartridges

### Technical data

for terminal type:  
SAKS 5/35 DB



### Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)<sup>9)</sup>

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	20		E 18/20A BL	10	0361300000
	25		E 18/25A GE	10	0361400000
Cartridge fuse	35		E 18/35A SW	10	0361500000
Rated breaking capacity	50		E 18/50A WS	10	0361600000
	63		E 18/63A KU	10	0361700000

(M) – medium time-lag; (F) – quick-acting

- 1) The company SIBA supplies G-type fuse cartridges 5 x 25 with indicator, also in marine engineering version for 450 V~.
- 2) Fuse cartridges 5 x 30 (500 V~) für SAKS 3 are available from the company WICKMANN.
- 3) The company LINDNER supplies Neozed fuse cartridges, also in a further marine engineering version for 440 V~.
- 4) Fuse cartridges with the dimensions 1"x1/4" = 25.4x6.35 mm and 13/32"x11/2" = 10.3x38.1 mm are not in the programme.
- 5) Only for SAKS 1 and SAKS 7.

## Safety fuse 10x38 mm

In photovoltaic applications, fusing of individual strings is needed. Specially designed fuses should be used as DC voltages and current are involved. AC fuses are not suitable. The range from 2-20 A and up to 1000 V DC can be covered with safety fuses, size 10 x 38 mm.



### Technical data

Diameter	10
Height	38
Characteristics	
Standard	

### Ordering data

Type	Current	Rated voltage	Rated breaking capacity	Melting integral	Power output (@ 1.5 In)	Qty.	Order No.
FUSE 1KV DC 2A 10/38	2 A	1000 V	30	3	1.2	10	1224870000
FUSE 1KV DC 4A 10/38	4 A	1000 V	30	10	1.8	10	1224880000
FUSE 1KV DC 6A 10/38	6 A	1000 V	30	45	2.5	10	1224890000
FUSE 1KV DC 8A 10/38	8 A	1000 V	30	5	1.6	10	1224900000
FUSE 1KV DC 10A 10/38	10 A	1000 V	30	7	2	10	1224910000
FUSE 1KV DC 12A 10/38	12 A	1000 V	30	10	2.4	10	1224920000
FUSE 1KV DC 16A 10/38	15 A	1000 V	30	30	2.1	10	1224930000
FUSE 1KV DC 20A 10/38	20 A	1000 V	30	52	2.5	10	1224950000

**Note**

Screw connection with clamping yoke technology (W-Series)  
Fuse terminal blocks – accessories

Gauge rings

Technical data

for terminal type:  
SAKS 4/35 DB



Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 14/2 D01 RS SAKS4	E14 / 2	2 A	Pink	50	013800000
P 14/4 D01 BR SAKS4	E14 / 4	4 A	Brown	50	013810000
P 14/6 D01 GN SAKS4	E14 / 6	6 A	Green	50	032860000
P 14/10 D01 RT SAKS4	E14 / 10	10 A	Red	50	032870000

Technical data

for terminal type:  
SAKS 5/35 DB



Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 18/20 D02 BL SAKS5	E18 / 20	20 A	Blue	50	036180000
P 18/25 D02 GE SAKS5	E18 / 25	25 A	Yellow	50	036190000
P 18/35 D02 SW SAKS5	E18 / 35	35 A	Black	50	036200000
P 18/50 D02 WS SAKS5	E18 / 50	50 A	White	50	036210000

Technical data

for terminal type:  
SAKS 2/35 DB



Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 16/10 RT SAKS2	E16 / 10	10 A	Red	100	020890000
P 16/16 GR SAKS2	E16 / 16	16 A	Grey	100	020900000





## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

#### WTR 2.5

2.5 mm<sup>2</sup>

With clamping screw



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 48
<b>24 / 4</b>
<b>0.05...4</b>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	300	
24	20	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

#### Ordering data

Version	
	dark beige
	without isolator, dark beige
	blue
Note	

Type	Qty.	Order No.
WTR 2.5	100	1855610000
WTR 2.5/0.TNHE	100	8731700000
WTR 2.5 BL	100	8731640000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
DEK 5/5 MC NE WS		1000	1609801044

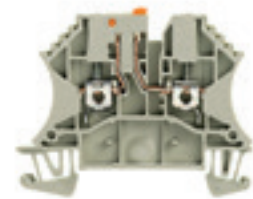
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

#### WTR 2.5 STB

2.5 mm<sup>2</sup>

With sockets



5.1 x 60 x 48
<b>24 / 4</b>
<b>0.05...4</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

Type	Qty.	Order No.
WTR 2.5 STB2.3	100	1855620000
WTR 2.5/0.TNHE STB2.3	100	8731670000
WTR 2.5 STB2.3 BL	100	8731660000

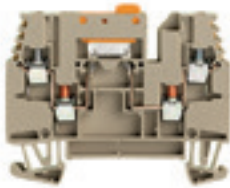
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
DEK 5/5 MC NE WS		1000	1609801044

Special cross-connector, see section on W-series accessories.

**WTR 2.5/ZZ**

**2.5 mm<sup>2</sup>**

Twin connection



5.1 x 60 x 46.5  
**14 / 4**  
**0.13...4**



IEC	UL	CSA	EN 60079-7
400	300	300	
14	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 2.5/ZZ	100	<b>1039900000</b>
WTR 2.5/ZZ BL	100	<b>1039980000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WTR2.5/ZZ		20	<b>1074600000</b>
WEW 35/2		100	<b>1061200000</b>
SIHA 1/G20		25	<b>9537550000</b>
SIHA 1/G20 10-36V		25	<b>9537560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Cross-connections, see section „W series accessories“.

**WTR 4**

**4 mm<sup>2</sup>**

With clamping screw



6.1 x 60 x 48  
**32 / 6**  
**0.22...6**



IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4	50	<b>7910180000</b>
WTR 4/O.TNHE	50	<b>2436380000</b>
WTR 4 BL	50	<b>7910190000</b>

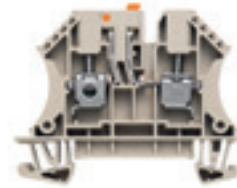
Type	current	Qty.	Order No.
ZQV 4N/2 GE	32 A	60	<b>1758250000</b>
ZQV 4N/10 GE	32 A	20	<b>1758260000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Cross-connections, see section „W series accessories“.

**WTR 4 STB**

**4 mm<sup>2</sup>**

With socket



6.1 x 60 x 48  
**32 / 6**  
**0.22...6**



IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4 STB	50	<b>7910210000</b>
WTR 4 STB/O.TNHE	50	<b>2436390000</b>
WTR 4 STB BL	50	<b>7910220000</b>

Type	current	Qty.	Order No.
ZQV 4N/2 GE	32 A	60	<b>1758250000</b>
ZQV 4N/10 GE	32 A	20	<b>1758260000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
PS 2.3 RT		20	<b>0180400000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## Test-disconnect terminal blocks

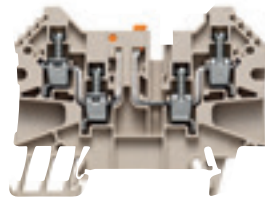
Universal range

A

### WTR 4/ZZ

4 mm<sup>2</sup>

Twin connection with clamping screw



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 70 x 53	
<b>27 / 6</b>	
<b>0.05...6</b>	

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	dark beige blue without isolator, dark beige
Note	

### Accessories

Pluggable cross-connection		2-pole 10-pole
End plate / Partition plate		dark beige dark beige
End bracket		dark beige
Holder for cartridge fuse 5 x 20 mm		400 V AC/DC, without LED 10 - 36 V AC/DC, red LED 140 - 250 V AC/DC, red LED
Module connector (max. 250 V)		without fittings with wire jumper With 1N4007 diode
Disconnect plug		removable, as replacement for release lever
Screwdriver		Standard
Testing / Checking		Test plug
Identification systems		
Hak. Cable lugs		
For detailed information on other accessories and application in the online catalogue		

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			
CE			
Rated connection			
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

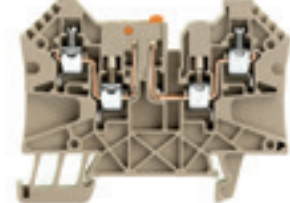
Type	Qty.	Order No.
WTR 4/ZZ	50	1905090000
WTR 4/ZZ BL	50	1193450000
WTR 4/ZZ/0.TNHE	50	2436420000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
Cross-connections, see section „W series accessories“.			

### WTR 4/ZZ STB

4 mm<sup>2</sup>

Twin connection with socket



6.1 x 70 x 53	
<b>27 / 6</b>	
<b>0.05...6</b>	

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			
CE			
Rated connection			
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

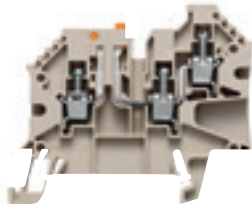
Type	Qty.	Order No.
WTR 4/ZZ STB	50	1905100000
WTR 4/ZZ STB BL	50	1231330000
WTR 4/ZZ STB/0.TNHE	50	2436360000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
PS 2.3 RT		20	0180400000
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
Cross-connections, see section „W series accessories“.			

**WTR 4/ZR**

**4 mm<sup>2</sup>**

Supplementary connection, right, with clamping screw



6.1 x 63.5 x 53  
27 / 6  
0.05...6



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4/ZR	50	1905080000
WTR 4/ZR/O.TNHE	50	2436400000

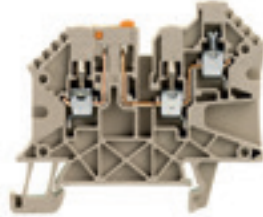
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section „W series accessories“.

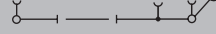
**WTR 4/ZR STB**

**4 mm<sup>2</sup>**

Supplementary connection, right, with socket



6.1 x 63.5 x 53  
27 / 6  
0.05...6



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4/ZR STB	50	1905110000
WTR 4/ZR STB/O.TNHE	50	2436410000

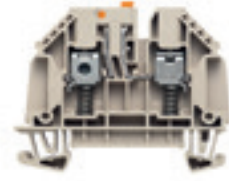
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		10	9008330000
PS 2.3 RT		20	0180400000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section „W series accessories“.

**WTR 4 SL**

**4 mm<sup>2</sup>**

With clamping screw



6.1 x 61.5 x 46.5  
32 / 6  
0.22...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR 4 SL	50	7910270000
WTR 4 SL BL	50	7910280000

With pollution severity degree 2, the voltage can be raised to 630 V.

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000

Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

#### WTR 4 SL STB

4 mm<sup>2</sup>

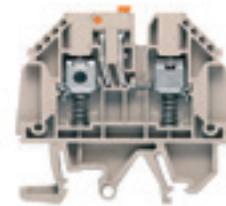
With socket



#### WTR 4 SL/EN

4 mm<sup>2</sup>

with clamping screw



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 46.5  
**32 / 6**  
**0.22...6**

6.1 x 61.5 x 51  
**32 / 6**  
**0.22...6**



#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

UL CSA KEKO VDE

#### Rated connection

0.5...6 / 1.5...6  
 0.5...4 / 0.5...4

13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

UL CSA KEKO VDE

#### Rated connection

0.5...6 / 1.5...6  
 0.5...4 / 0.5...4

13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WTR 4 STB SL	50	7910300000
WTR 4 STB SL BL	50	7910310000

Type	Qty.	Order No.
WTR4 SL/EN	50	7910360000
WTR4 SL/EN BL	50	7910370000

With pollution severity degree 2, the voltage can be raised to 630 V.

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Hak. Cable lugs	
Identification systems	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

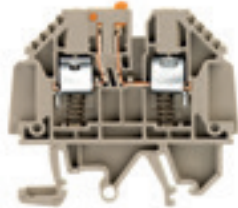
Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

**WTR 4 STB SL/EN**

**4 mm<sup>2</sup>**

With socket



6.1 x 61.5 x 51  
32 / 6  
0.22...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

UL, CE, RoHS, REACH

**Rated connection**

0.5...6 / 1.5...6

0.5...4 / 0.5...4

13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR4 SL/EN STB	50	7910390000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## Test-disconnect terminal blocks

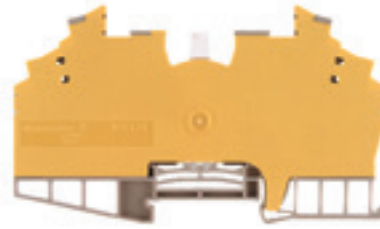
Universal range

A

### WDT 1.5/1

1.5 mm<sup>2</sup>

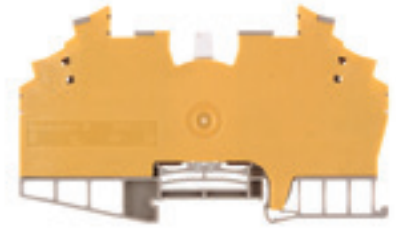
Disconnection lower level



### WDT 1.5/2

1.5 mm<sup>2</sup>

Disconnection both levels



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.4 x 112 x 66	
<b>10 / 2.5</b>	
<b>0.13...2.5</b>	

6.4 x 112 x 66	
<b>10 / 2.5</b>	
<b>0.13...2.5</b>	

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-0			
CE			
Rated connection			
0.5...2.5 / 1.5...2.5			
0.5...1.5 / 0.5...1.5			
0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-0			
CE			
Rated connection			
0.5...2.5 / 1.5...2.5			
0.5...1.5 / 0.5...1.5			
0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

### Ordering data

Version	
	dark beige
	without STB
	blue
<b>Note</b>	

Type	Qty.	Order No.
WDT 1.5/1 DB/GE	25	1015800000
<b>Note</b>		

Type	Qty.	Order No.
WDT 1.5/2 DB/GE	25	1015900000
<b>Note</b>		

### Accessories

End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	400 V AC/DC, without LED 10 - 36 V AC/DC, red LED
Screwdriver	Standard
Locking lever	
Identification systems	

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
RAHE LN WDT1.5		10	1865410000
DEK 5/6.5 MC NE WS		900	1609840000
WS 8/5 MC NE WS		720	1640740000
<b>Note</b>			

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
RAHE LN WDT1.5		10	1865410000
DEK 5/6.5 MC NE WS		900	1609840000
WS 8/5 MC NE WS		720	1640740000
<b>Note</b>			

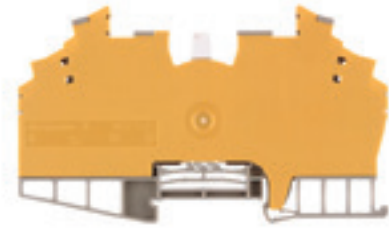
For detailed information on other accessories and application in the online catalogue



**WDT 1.5/3**

**1.5 mm<sup>2</sup>**

Disconnection lower level or both levels



6.4 x 112 x 66  
**10 / 2.5**  
**0.13...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-2			

CE

**Rated connection**

0.5...2.5 / 1.5...2.5

0.5...1.5 / 0.5...1.5

0.4...0.6 Nm (M 2.5)

10 / 0.6 x 3.5 mm

WDT 1.5/3 BL/HB Order no. 1016160000 flammability rating V2

Type	Qty.	Order No.
WDT 1.5/3 DB/GE	25	<b>1016000000</b>
WDT 1.5/3 BL/HB	25	<b>1016160000</b>

Type	current	Qty.	Order No.
WEW 35/2		100	<b>1061200000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
RAHE LN WDT1.5		10	<b>1865410000</b>
DEK 5/6.5 MC NE WS		900	<b>1609840000</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>

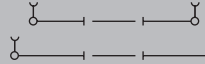
**WDTR 2.5**

**2.5 mm<sup>2</sup>**

Double disconnect terminal



6.2 x 94 x 67  
**14 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 30...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...2.5 / 0.5...2.5

0.5...0.6 Nm (M 3)

8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5	25	<b>9528070000</b>
WDTR 2.5 O.STB	25	<b>1298020000</b>
WDTR 2.5 BL	25	<b>9528080000</b>

Type	current	Qty.	Order No.
WEW 35/1		50	<b>1059000000</b>
SIHA 1/G20		25	<b>9537550000</b>
SIHA 1/G20 10-36V		25	<b>9537560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

External cross-connection is possible with the VQB 1.5/50. Refer to „Accessories“ Chapter.

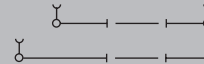
**WDTR 2.5/WE**

**2.5 mm<sup>2</sup>**

Double disconnect terminal



6.2 x 81 x 67  
**23 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	17	
2.5	AWG 22...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...2.5 / 0.5...2.5

0.5...0.6 Nm (M 3)

8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5/WE	25	<b>9528090000</b>
WDTR 2.5/WE O.STB	25	<b>1297850000</b>

Type	current	Qty.	Order No.
WEW 35/1		50	<b>1059000000</b>
SIHA 1/G20		25	<b>9537550000</b>
SIHA 1/G20 10-36V		25	<b>9537560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

External cross-connection is possible with the VQB 1.5/50. Refer to „Accessories“ Chapter.

## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

#### WDK 2.5/TR-DU

2.5 mm<sup>2</sup>



#### WDK 2.5/TR-DU/STB

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 80.5 x 66	
/ 4	
0.5...4	

5.1 x 80.5 x 66	
/ 4	
0.5...4	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
690		300	
24		20	
2.5		AWG 30...12	
		8 kV / 3	
		A2 / V-0	
®			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm (M 3)			
8 / 0.6 x 3.5 mm			
Note			

IEC	UL	CSA	EN 60079-7
690		300	
24		20	
2.5		AWG 30...12	
		8 kV / 3	
		A2 / V-0	
®			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm (M 3)			
8 / 0.6 x 3.5 mm			
Note			

#### Ordering data

Version	
	dark beige
	without isolator, dark beige
Note	

Type	Qty.	Order No.
WDK 2.5/TR-DU	50	1247290000
WDK 2.5/TR-DU/o TNHE	50	1833600000
Note		

Type	Qty.	Order No.
WDK 2.5/TR-DU STB	50	1247310000
WDK 2.5/TR-DU/o TNHE StB	50	1833610000
Note		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	With 1N4007 diode
	with wire jumper
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6X3.5X100		10	9008330000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Note			

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6X3.5X100		10	9008330000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Note			

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

WDK 2.5/TR-DU-PE

2.5 mm<sup>2</sup>

WDK 2.5/TR-DU-PE/STB

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 72.5 x 66	
/ 4	
0.5...4	

5.1 x 72.5 x 66	
/ 4	
0.5...4	

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
690			
24			
2.5			
		8 kV / 3	
		A2 / V-0	
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm (M 3)			
8 / 0.6 x 3.5 mm			
Note			

IEC	UL	CSA	EN 60079-7
690			
24			
2.5			
		8 kV / 3	
		A2 / V-0	
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm (M 3)			
8 / 0.6 x 3.5 mm			
Note			

Ordering data

Version	
	dark beige
	without isolator, dark beige
Note	

Type	Qty.	Order No.
WDK 2.5/TR-DU-PE	50	1247420000
WDK 2.5/TR-DU-PE/o TNHE	50	1833640000
Note		

Type	Qty.	Order No.
WDK 2.5/TR-DU-PE STB	50	1247430000
WDK 2.5/TR-DU-PE/o TNHE StB	50	1833670000
Note		

Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	With 1N4007 diode
	with wire jumper
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6X3.5X100		10	9008330000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Note			

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6X3.5X100		10	9008330000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Note			

For detailed information on other accessories and application in the online catalogue

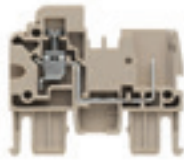
Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.



WDT 2.5 AT

2.5 mm<sup>2</sup>



5.1 x 42 x 24.6  
27 / 4  
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			

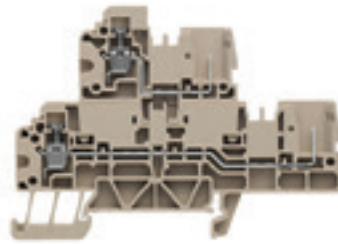


Rated connection

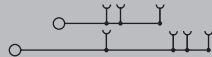
0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm (M 2.5)  
7 / 0.6 x 3.5 mm

WDT 2.5/2

2.5 mm<sup>2</sup>



5.1 x 85.5 x 60.5  
27 / 4  
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			

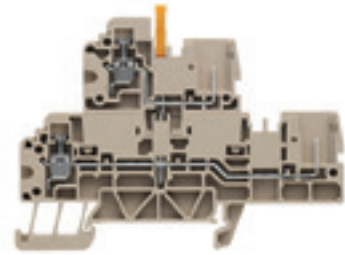


Rated connection

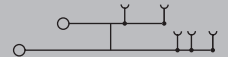
0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm (M 2.5)  
7 / 0.6 x 3.5 mm

WDT 2.5/2 V

2.5 mm<sup>2</sup>



5.1 x 85.5 x 60.5  
27 / 4  
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20.1	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			



Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm (M 2.5)  
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDT 2.5 AT	50	1305320000
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

Type	Qty.	Order No.
WDT 2.5/2	50	1305290000
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

Type	Qty.	Order No.
WDT 2.5/2 V	50	1305300000
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5 AT		50	1305250000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5/2		50	1305260000
WEW 35/2		100	1061200000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
ZVQ 2.5/1.5	23 A	50	1720700000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5/2		50	1305260000
WEW 35/2		100	1061200000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section „W series accessories“.

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layers. Cross-connections, see section „W series accessories“.

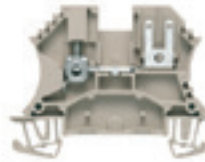
Cross-connections, see section „W series accessories“.



**WDU 2.5 F**

**2.5 mm<sup>2</sup>**

Spade connection right



5.1 x 60 x 46.25  
**12 / 4**  
**0.13...4**

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
12	16	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE, KEMA, TÜV, VDE

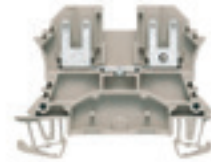
Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

**WDU 2.5 FF 2\*2.8**

**1 mm<sup>2</sup>**

Spade connection left and right



5.1 x 60 x 46.25  
**12 / 1**  
**...1**

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
12	16	10	
1	AWG 22...14	AWG 26...12	
6 kV / 3			
/ V-0			

CE, KEMA, TÜV, VDE

Rated connection	Plug-in connection

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	blue
Note	

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	Qty.	Order No.
WDU 2.5 F 2X2.8	100	1021800000
Note		
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	Qty.	Order No.
WDU 2.5 FF 2X2.8	100	1021900000
Note		
Technical data refer to a 2.8 mm cable lug connector with 1 mm <sup>2</sup> conductor.		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section „W series accessories“.

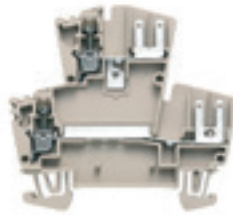
Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section „W series accessories“.

**Screw connection with clamping yoke technology (W-Series)**  
**Pluggable terminal blocks**

**WDK 2.5 F**

**2.5 mm<sup>2</sup>**

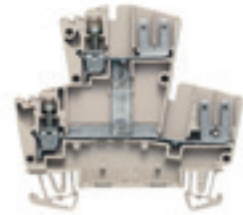
Spade connection right



**WDK 2.5 FV**

**2.5 mm<sup>2</sup>**

Spade connection right, both levels at one potential



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 69.5 x 62.5
<b>12 / 4</b>
<b>0.13...4</b>

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
12	10	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

5.1 x 69.5 x 62.5
<b>12 / 4</b>
<b>0.13...4</b>

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
2.5		AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
Note	

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	Qty.	Order No.
WDK 2.5 F	100	<b>1021600000</b>
WDK 2.5 F BL	100	<b>1021680000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	Qty.	Order No.
WDK 2.5 FV	100	<b>1022400000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section „W series accessories“.

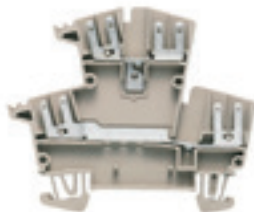
Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section „W series accessories“.



WDK 2.5 FF

1 mm<sup>2</sup>

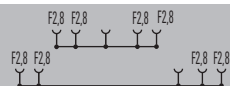
Spade connection left and right



5.1 x 75.5 x 62.5

12 / 1

...1



IEC 61210, In accordance with IEC  
60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
1		AWG 26...12	
	6 kV / 3		
	/ V-0		

CE

**Rated connection** **Plug-in connection**

With insulating sleeves on cable lug connectors the voltage increases to 500 V.  
Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

Type	Qty.	Order No.
WDK 2.5 FF	100	1021700000

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Insulating sleeve for flat blade connector 2.8 mm, order no. 0398060000. Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## Pluggable terminal blocks

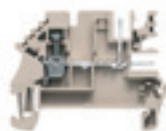
Universal range

A

### WDU 1.5 BLZ 5.08 WQV

1.5 mm<sup>2</sup>

Screwable cross-connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.08 x 49 x 37	WQV	BLZ 5.08
<b>16 / 4</b>		
<b>0.13...4</b>		BLZ 5.08

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	10	
1.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

### Note

### Ordering data

Version	
	dark beige
Note	

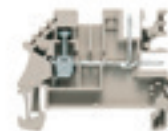
### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	Without peg
	With spigot
End bracket	
	dark beige
Mounting block for socket connector	
	Without peg
	With spigot
Plug-in connector	
Identification systems	
Miscellaneous accessories	
	Cover for unused pins
For detailed information on other accessories and application in the online catalogue	

### WDU 1.5 BLZ 5.08 ZQV

1.5 mm<sup>2</sup>

Plug-in cross-connection



5.08 x 49 x 37	ZQV	BLZ 5.08
<b>16 / 4</b>		
<b>0.13...4</b>		BLZ 5.08

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	20	
1.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

Type	Qty.	Order No.
WDU 1.5/BLZ 5.08	100	<b>1577340000</b>
WDU 1.5 BIA Order no. 1577260000 (100 pcs.). 2.5 mm <sup>2</sup> conductor with wire-end ferrule with plastic collar, only with order No. 1333100000, QTY 500.		

Type	Qty.	Order No.
WDU 1.5/ZQV/BLZ 5.08	100	<b>1784460000</b>
2.5 mm <sup>2</sup> conductor with wire-end ferrule with plastic collar, only with order No. 1333100000, QTY 500.		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDU1.5/BLZ		50	<b>1577330000</b>
WAP WDU1.5/BLZ/ZA		50	<b>1577320000</b>
WEW 35/2		100	<b>1061200000</b>
WBB WDU1.5/BL...		10	<b>1068160000</b>
WBB ZA WDU1.5/BL 10/10		10	<b>1068260000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC SDR		144	<b>1609870000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDU1.5/BLZ		50	<b>1577330000</b>
WAP WDU1.5/BLZ/ZA		50	<b>1577320000</b>
WEW 35/2		100	<b>1061200000</b>
WBB WDU1.5/BL...		10	<b>1068160000</b>
WBB ZA WDU1.5/BL 10/10		10	<b>1068260000</b>
BLZP 5.08HC/04/180 SN OR BX		90	<b>1943600000</b>
BLZP 5.08HC/06/180 SN OR BX		60	<b>1943620000</b>
BLZP 5.08HC/08/180 SN OR BX		42	<b>1943640000</b>
BLZP 5.08HC/04/180F SN OR BX		60	<b>1944110000</b>
BLZP 5.08HC/06/180F SN OR BX		42	<b>1944130000</b>
BLZP 5.08HC/08/180F SN OR BX		36	<b>1944150000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC SDR		144	<b>1609870000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
SCHT 7		20	<b>0517960000</b>
SCHT 14/6		20	<b>1269060000</b>
ZGB 30		20	<b>1611930000</b>

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section „W series accessories“.

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section „W series accessories“.

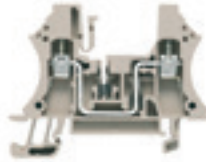


## Screw connection with clamping yoke technology (W-Series)

### Terminal blocks with electronic components

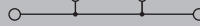
WPO 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6 x 60 x 46.5
<b>32 / 4</b>
<b>0.13...4</b>



#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

#### Ordering data

Version	dark beige
<b>Note</b>	

#### Accessories

Intermediate frame	Thickness 2.5 mm
Busbar	1 m
Identification systems	

IEC 60947-1

IEC	UL	CSA	EN 60079-7
250	300	300	
32	10	10	
4	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
8 / 0.6 x 3.5 mm	

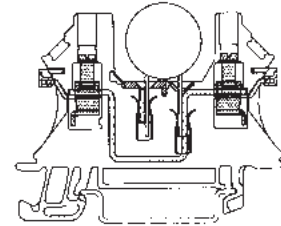
The tightening torque is 2 Nm when connecting two conductors.

Type	Qty.	Order No.
WPO 4	50	<b>1036000000</b>

Type	current	Qty.	Order No.
ZR WPO4 DB		20	<b>1071100000</b>
SSCH 7.3X1.2X1000		1	<b>1071200000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

#### WPO 4 with varistor



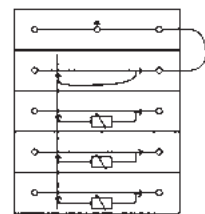
Weidmüller varistor terminals have been designed for the retrofitting of electronic components, e.g. varistors, diodes, gas discharge tubes, etc.

These "electronic terminals" no longer have to be configured prior to installation for subsequent delivery with soldered components which can no longer be distinguished.

The significant advantages of this design are:

- **Cost saving:**  
Components can be changed quickly on site. Service requires only a visual inspection.
- **Clarity:**  
Components are easy to distinguish.
- **Flexibility:**  
Components can immediately be adapted to changed conditions.

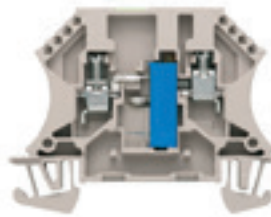
**Note:**  
Never change electronic components under load!



Overvoltages in a 3-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

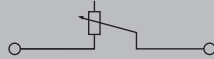
WDUL 4/...

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

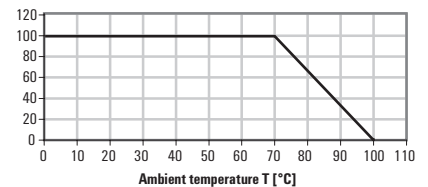
6.5 x 60 x 46.5  
**6 / 6**  
**0.13...6**



### Technical data for the 10 Ω compensating resistor

- Resistor material: "Cermet"  
Resistor setting range: 0...30 Ω  
Wave form: linear  
Temperature coefficient: 100 ppm/°C  
Mechanical lifespan: 200 operations without permissible deviations, across the entire resistance range  
Resistance change per spindle turn: ≈ 0,4 Ω  
Rated output for total resistance: 1 watt at 70 °C  
Rated current: 300 mA  
Ambient temperature: -55 °C to +70 °C  
Ingress (seal) protection:  
1) Leak tested in water at 70 °C without bubble formation  
2) Storage in SFW 2.0 S, acc. to DIN 50018, 9 cycles

Capacity expressed in % of rated load



### Technical data

Rated data	
Rated voltage	-
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-1

IEC	UL	CSA	EN 60079-7
		/ 3	
		A4 / V-0	

CE

Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...2.5	
9 / 0.6 x 3.5 mm	

Note

### Ordering data

Version	
	10 Ω
	100 Ω
	500 Ω
	1 kΩ
	5 kΩ
	10 kΩ
	50 kΩ
	500 kΩ
	without potentiometer

Note

Type	Qty.	Order No.
WDUL 4/10	10	1027000000
WDUL 4/100	10	1027300000
WDUL 4/500	10	1027400000
WDUL 4/1K	10	1027500000
WDUL 4/5K	10	1027600000
WDUL 4/10K	10	1027700000
WDUL 4/50K	10	1027800000
WDUL 4/500K	10	1028000000
WDUL 4	10	8161820000

### Accessories

<b>End plate / Partition plate</b>	dark beige
	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	With „swifty set“ cutting device
	Standard
<b>Shield bus</b>	
<b>Identification systems</b>	

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 16*35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
LS 2.8 WDU2.5-10		100	1056400000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

# Screw connection with clamping yoke technology (W-Series)

## Terminal blocks with electronic components

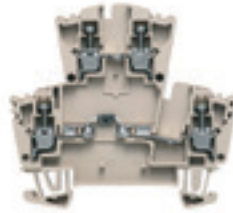
Universal range

A

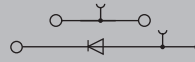
### WDK 2.5/D

2.5 mm<sup>2</sup>

Reverse polarity protection



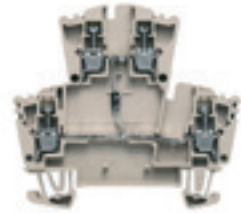
5.1 x 69 x 62.5  
10 / 4  
0.05...4



### WDK 2.5/D/1

2.5 mm<sup>2</sup>

Suppression circuit e. g. for contactor



5.1 x 69 x 62.5  
10 / 4  
0.05...4



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With „swifty set“ cutting device
	Standard
Identification systems	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300		
10	20		
2.5	AWG 22...12		
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Rated current is 10 A for continuous busbars only. Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 1D	25	8025610000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	1	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Rated current is 10 A for continuous busbars only. Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 1D A.1	25	1023400000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

**WDK 2.5/D/2**

2.5 mm<sup>2</sup>

Suppression circuit e. g. for contactor



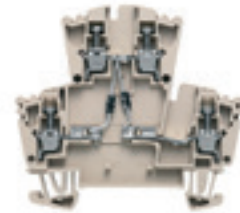
5.1 x 69 x 62.5  
**10 / 4**  
**0.05...4**



**WDK 2.5/D/4**

2.5 mm<sup>2</sup>

Lamp test circuits



5.1 x 69 x 62.5  
**10 / 4**  
**0.05...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With „swiftly set“ cutting device
	Standard
Identification systems	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	1	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	mm <sup>2</sup>
0.5...4 / 0.5...2.5	mm <sup>2</sup>
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**

Type	Qty.	Order No.
WDK 2.5 1D A.2	25	1023300000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300		
10	20		
2.5	AWG 22...12		
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	mm <sup>2</sup>
0.5...4 / 0.5...2.5	mm <sup>2</sup>
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	

Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**

Type	Qty.	Order No.
WDK 2.5 2D 1.A	25	8014670000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

# Screw connection with clamping yoke technology (W-Series)

## Terminal blocks with electronic components

Universal range

A

### WDK 2.5/D/5

2.5 mm<sup>2</sup>

Lamp test circuits



5.1 x 69 x 62.5  
**10 / 4**  
**0.05...4**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

#### Accessories

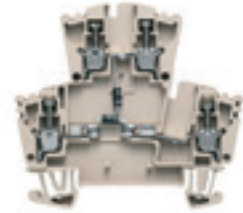
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With „swiftly set“ cutting device
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

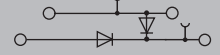
### WDK 2.5/D/6

2.5 mm<sup>2</sup>

Lamp test circuits



5.1 x 69 x 62.5  
**10 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
Note	
Rated current is 10 A for continuous busbars only.	

Type	Qty.	Order No.
WDK 2.5 2D	25	1023500000
Note		
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm (M 2.5)	
10 / 0.6 x 3.5 mm	
Note	
Rated current is 10 A for continuous busbars only. Diode 1 N 4007	

Type	Qty.	Order No.
WDK 2.5 2D 2 A	25	1022600000
Note		
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK2.5		20	1059100000
End bracket			
WEW 35/2		100	1061200000
Screwdriver			
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section „W series accessories“.

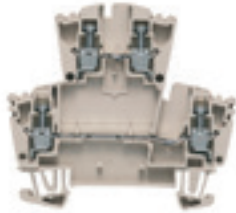
Cross-connections, see section „W series accessories“.



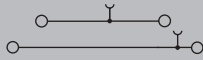
**WDK 2.5/D**

**2.5 mm<sup>2</sup>**

For installing electronic components



5.1 x 69.5 x 62.5  
**10 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
10			
2.5			
	6 kV / 3		
	A3 / V-0		

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm (M 2.5)  
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only.

Type	Qty.	Order No.
WDK 2.5/D	100	<b>1023200000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

**WDK 2.5 LD +/-**

**2.5 mm<sup>2</sup>**

DC voltage indicator +/-



5.1 x 69 x 62.5  
**10 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm (M 2.5)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC +/-	25	<b>1023600000</b>
WDK 2.5 LD/GN 1R 24VDC	25	<b>8023610000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

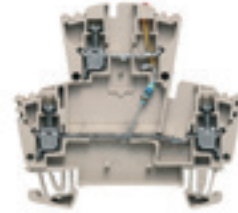
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, see section „W series accessories“.

**WDK 2.5 LD -/+**

**2.5 mm<sup>2</sup>**

DC voltage indicator -/+



5.1 x 69 x 62.5  
**10 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC -/+	25	<b>8023630000</b>
WDK 2.5 LD GR 1R 24VDC	25	<b>8010040000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

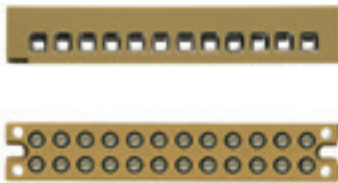
Cross-connections, see section „W series accessories“.

## Screw connection with clamping yoke technology (W-Series)

### Mini terminal blocks for enclosure wiring

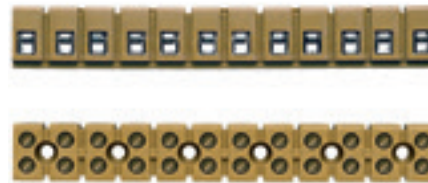
#### MK 2/12

2.5 mm<sup>2</sup>



#### MK 3/2...12

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

15 x 86 x 15
<b>24 / 4</b>
<b>0.2...4</b>

15 x 91.25 x 16.1
<b>24 / 4</b>
<b>0.33...4</b>

#### Technical data

Rated data	
Rated voltage	
Rated current	
for wire cross-section	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	
Flexible / Flexible with ferrule	
Tightening torque range (terminal screw)	
Stripping length / Blade size	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
125	300	300	
24	10	10	
2.5	AWG 24...12	AWG 24...12	
2.5 kV / 3			
A2 / V-2			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
0.4(M 2.5)			
5 / 0.6 x 3.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	25	
2.5	AWG 22...12	AWG 22...12	
6 kV / 3			
A2 / 5VA			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
0.4...0.45 Nm (M 2.5)			
5 / 0.6 x 3.5 mm			

Note

#### Ordering data

Order data, sorting catalogue 1/SAK	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
10-pin	
12-pin	
16-pin	

Type	Height	Mounting	Qty.	Order No.
MK 2/12	86	80	50	<b>0241260000</b>

Type	Height	Mounting	Qty.	Order No.
MK 3/2	17.4	18.5	100	<b>0273820000</b>
MK 3/3	26.5	18.5	50	<b>0273920000</b>
MK 3/4	35.75	18.5	50	<b>0274020000</b>
MK 3/5	45	18.5	50	<b>0274120000</b>
MK 3/6	54.25	37	50	<b>0274220000</b>
MK 3/7	63.5	37	50	<b>0274320000</b>
MK 3/8	72.75	55.5	25	<b>0274420000</b>
MK 3/10	91.25	74	20	<b>0274620000</b>
MK 3/12	110	92.5	20	<b>0243520000</b>

Note

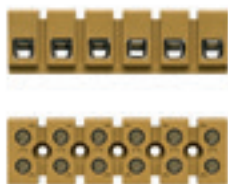
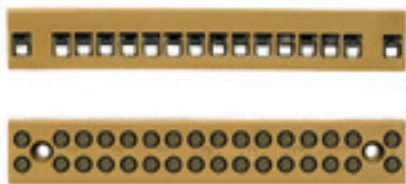
For detailed information on other accessories and application in the online catalogue

**MK 4/16**

**2.5 mm<sup>2</sup>**

**MK 6/2...6/6**

**6 mm<sup>2</sup>**



17 x 103 x 16  
**24 / 4**  
**0.2...4**

23 x 23.5 x 22  
**41 / 6**  
**0.33...6**

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	150	
24	15	15	
2.5	AWG 24...12	AWG 22...12	
6 kV / 3			
A2 / 5VA			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300	300	
41	30	40	
6	AWG 22...10	AWG 22...10	
8 kV / 3			
A3 / 5VA			

CE

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

0.4...0.45 Nm (M 2.5)

5 / 0.6 x 3.5 mm

CE

**Rated connection**

0.5...6 / 1.5...6

0.5...6 / 0.5...4

1.2...2 Nm (M 4)

9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 4/16	103	85.5	20	<b>0244220000</b>

Type	Height	Mounting	Qty.	Order No.
MK 6/2	23.5		50	<b>0620420000</b>
MK 6/3	36.5	13	50	<b>0620320000</b>
MK 6/4	49.5	26	20	<b>0620220000</b>
MK 6/6	75.5	52	20	<b>0620120000</b>

**Screw connection with clamping yoke technology (W-Series)**  
**Mini terminal blocks for enclosure wiring**

Universal range

**A**

**MK 5/2 0.DE**

**2.5 mm<sup>2</sup>**

**KS 2...10**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18 x 40 x 14.2  
**24 / 4**  
**0.2...4**

25 x 138 x 17.5  
**24 / 4**  
**0.2...4**

**Technical data**

<b>Rated data</b>	
Rated voltage	
Rated current	
for wire cross-section	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	
Flexible / Flexible with ferrule	
Tightening torque range (terminal screw)	
Stripping length / Blade size	
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
500		300	
24		25	
2.5		AWG 20...14	
		6 kV / 3	
		A2 / 5VA	
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
0.4(M 2.5)			
5 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	25	
2.5	AWG 24...12	AWG 24...12	
		6 kV / 3	
		A2 / 5VA	
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
0.5...0.7 Nm (M 3)			
8 / 4.0 x 0.8 mm			
<b>Note</b>			

**Ordering data**

Order data, sorting catalogue 1/SAK	
2-pin	
3-pin	
4-pin	
6-pin	
10-pin	
12-pin	
<b>Note</b>	

Type	Height	Mounting	Qty.	Order No.
MK 5/2 0.DE	40	32	100	<b>0243820000</b>
<b>Note</b>				

Type	Height	Mounting	Qty.	Order No.
KS 2 0.D2	42	32	100	<b>0134420000</b>
KS 4 0.D4	66	56	50	<b>0140320000</b>
KS 6 0.D6	90	80	50	<b>0140620000</b>
KS 10 0.D10	138	128	20	<b>0141620000</b>
<b>Note</b>				

**Accessories**

Lid / cover	Type	Qty.	Order No.
	D 2 MK5/2 PA/NA	50	<b>0244060000</b>
<b>Marking strips, printed</b>			

Type	Qty.	Order No.
D2 KS2 TP	100	<b>0134500000</b>
D4 KS4 TP	50	<b>0140500000</b>
D6 KS6 TP	50	<b>0140800000</b>
D10 KS10 TP	20	<b>0141800000</b>

For detailed information on other accessories and application in the online catalogue

BK 2...12

4 mm<sup>2</sup>



22 x 92 x 20  
32 / 4  
0.33...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	300	
32	20	10	
4	AWG 26...12	AWG 22...12	
6 kV / 3			
A3 / V-0, 5VA			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...4

0.5...0.6 Nm (M 3)

8 / 4.0 x 0.8 mm

Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm<sup>2</sup>) can be connected.

Type	Height	Mounting	Qty.	Order No.
BK 2 CRN	20		100	0624720000
BK 3 CRN	31	11	100	0624920000
BK 4 CRN	38	18	100	0625120000
BK 6 CRN	52	32	50	0625220000
BK 12 CRN	92	72.5	25	0625320000

Type	Qty.	Order No.
BSTB 28/4 BK U 1-4	50	0197300000

# Screw connection with clamping yoke technology (W-Series)

## Mini terminal blocks for enclosure wiring

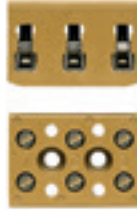
Universal range

**A**

### BK 2...12/E

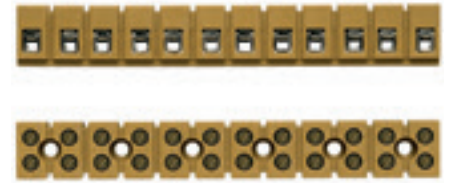
4 mm<sup>2</sup>

Solid / stranded  
Flexible / flexible with wire-end ferrule



### MK 3/2...12/E

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

22 x 92 x 20
<b>32 / 4</b>
<b>0.33...4</b>

15 x 110 x 16.1
<b>24 / 4</b>
<b>0.33...4</b>

### Technical data

Rated data	
Rated voltage	400
Rated current	32
for wire cross-section	4
Rated impulse withstand voltage / Pollution severity	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0, 5VA
Approvals	BAS 98ATEX3084 U
Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...4
Tightening torque range (terminal screw)	0.5...0.6 Nm (M 3)
Stripping length / Blade size	8 / 4.0 x 0.8 mm

IEC 60947-1 Ex e III  
2 G D

IEC	UL	CSA	EN 60079-7
400	150	300	275
32	20	10	28
4	AWG 26...12	AWG 22...12	4 mm <sup>2</sup>

IEC 60947-1 Ex e III  
2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	25	21
2.5	AWG 22...12	AWG 22...12	2.5 mm <sup>2</sup>

**Note**

Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm<sup>2</sup>) can be connected.

### Ordering data

Order data, sorting catalogue 1/SAK	
2-pin	BK 2/E
3-pin	BK 3/E
4-pin	BK 4/E
5-pin	BK 5/E
6-pin	BK 6/E
8-pin	BK 8/E
12-pin	BK 12/E

Type	Height	Mounting	Qty.	Order No.
BK 2/E	20		100	7906040000
BK 3/E	31	11	100	7906060000
BK 4/E	38	18	100	7906080000
BK 6/E	52	32	50	7906090000
BK 12/E	92	72.5	25	7906100000

Type	Height	Mounting	Qty.	Order No.
MK 3/2/E	17.4	18.5	100	7906110000
MK 3/3/E	26.5	18.5	50	7906120000
MK 3/4/E	35.75	18.5	50	7906130000
MK 3/6/E	54.25	37	50	7906150000
MK 3/8/E	72.75	55.5	25	7906170000
MK 3/12/E	110	92.5	20	7906210000

**Note**

\*DU = feed-through terminals, PE = PE terminals

### Accessories

Marking strips, printed		
BSTB 28/2 BK U 1-2	50	0203600000
BSTB 28/4 BK U 1-4	50	0197300000

Type	Qty.	Order No.
BSTB 28/2 BK U 1-2	50	0203600000
BSTB 28/4 BK U 1-4	50	0197300000

Type	Qty.	Order No.
BSTB 28/12 MK U 1-12	50	0245900000
BSTB 28/8 MK U 1-8	50	0290200000
BSTB 28/6 MK U 1-6	50	0290000000

Marking strips, unprinted		
BSTO 28/12 MK	50	0245800000
BSTO 28/8 MK3/8	50	0284700000
BSTO 28/6 MK	50	0289500000
BSTO 28/4 MK3/4	50	0289300000

Type	Qty.	Order No.
BSTO 28/12 MK	50	0245800000
BSTO 28/8 MK3/8	50	0284700000
BSTO 28/6 MK	50	0289500000
BSTO 28/4 MK3/4	50	0289300000

Type	Qty.	Order No.
BSTO 28/12 MK	50	0245800000
BSTO 28/8 MK3/8	50	0284700000
BSTO 28/6 MK	50	0289500000
BSTO 28/4 MK3/4	50	0289300000

For detailed information on other accessories and application in the online catalogue

MK 6/2...6/E

6 mm<sup>2</sup>



23 x 23.5 x 22  
41 / 6  
0.33...6

IEC 60947-7-1 Ex e III 2 G D

IEC	UL	CSA	EN 60079-7
690	300		440
41	30		36
6	AWG 22...10		6 mm <sup>2</sup>

8 kV / 3  
A3 / 5VA

BAS 99ATEX2123 U

**Rated connection**

0.5...6 / 1.5...6

0.5...6 / 0.5...4

1.2...2 Nm (M 4)

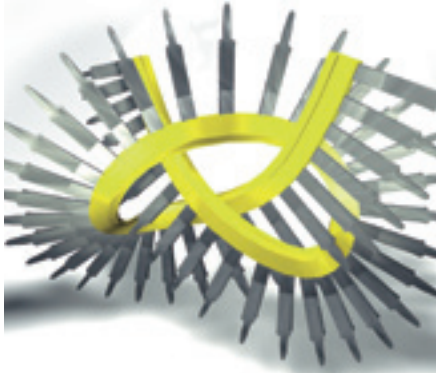
9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2/E	23.5		50	7906220000
MK 6/3/E	36.5	13	50	7906230000
MK 6/4/E	49.5	26	20	7906240000
MK 6/5/E	62.5	26	20	7906250000
MK 6/6/E	75.5	52	20	7906260000

Screw connection with clamping yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

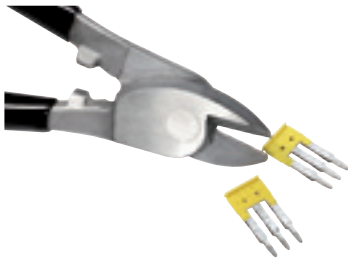
A



**Continuous cross-connection**

ZQV 2.5N/20 (20-pole) and ZQV 4N/20 (20-pole) are ideal for shortening (e.g. with tool KT ZQV - 9002170000) to produce customised configurations with the required number of poles.

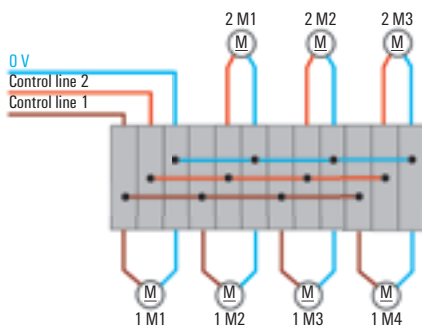
More than 20 poles in a row are not recommended because of the resulting tolerances in the terminals.



**Special features of**

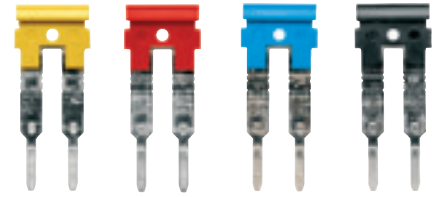
WDU 2.5, WDU 4 und WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials  
**Important!** Rated voltage reduced to 125 V!
- Parallel distribution of 2 potentials  
**Important!** Only when using the outer cross-connection holes at 250 V
- The middle cross-connection hole can be used for either ZQV or WQV



**Important!** By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

ZQV 2.5N



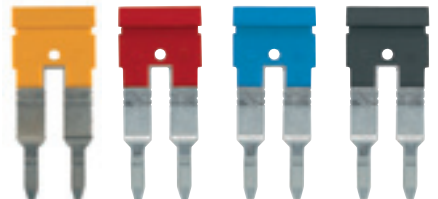
No. of poles
2
3
4
5
6
7
8
9
10
20*

Type	I [A]	Qty.	Order No. yellow	Order No. red	Order No. blue	Order No. black
ZQV 2.5N/2	24	60	1693800000	1717900000	1717990000	1718080000
ZQV 2.5N/3	24	60	1693810000	1717910000	1718000000	1718090000
ZQV 2.5N/4	24	60	1693820000	1717920000	1718010000	1718100000
ZQV 2.5N/5	24	20	1693830000	1717930000	1718020000	1718110000
ZQV 2.5N/6	24	20	1693840000	1717940000	1718030000	1718120000
ZQV 2.5N/7	24	20	1693850000	1717950000	1718040000	1718130000
ZQV 2.5N/8	24	20	1693860000	1717960000	1718050000	1718140000
ZQV 2.5N/9	24	20	1693870000		1718060000	1718150000
ZQV 2.5N/10	24	20	1693880000	1717980000	1718070000	1718160000
ZQV 2.5N/20*	24	20	1909000000*	1909110000*	1909140000*	1909130000*

\* Caution not finger save, not approved for ATEX use

**For terminal**

standard	compact
WDU 2.5/1.5 ZR	WDU 2.5N
WDU 2.5	WDK 2.5N
WDK 2.5/ ZQV	WDK 2.5N V
WDU 1.5 BLZ 5.08/ ZQV	WDK 2.5N DU-PE
	WMF 2.5...



No. of poles
2
3
4
5
6
7
8
9
10
20

Type	I [A]	Qty.	Order No. yellow	Order No. red	Order No. blue	Order No. black
ZQV 4N/2	32	60	1758250000	1793950000	1793960000	1793970000
ZQV 4N/3	32	60	1762630000	1793980000	1793990000	1794000000
ZQV 4N/4	32	60	1762620000	1794010000	1794020000	1794030000
ZQV 4N/10	32	20	1758260000	1794040000	1794050000	1794060000
ZQV 4N/20	32	20	1909020000	1909150000	1909100000	1909120000

**For terminal**

standard	compact
WDU 4	WDU 4N
WTR 4	WDK 4N
WTR 4 SI	WDK 4N V
WTR 4 SL	WDK 4N DU-PE
WTR 4/ZZ+ZR	WDK 2.5N V
WDU/PE4/ZZ+ZR	WDK 2.5N DU-PE





Screw connection with clamping yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

A

WQV 2.5



Technical data	
Current	A
Type of fixing	Screwed
Pitch	mm
Ordering data	
2-pole	WQV 2.5/2
3-pole	WQV 2.5/3
4-pole	WQV 2.5/4
5-pole	WQV 2.5/5
6-pole	WQV 2.5/6
7-pole	WQV 2.5/7
8-pole	WQV 2.5/8
9-pole	WQV 2.5/9
10-pole	WQV 2.5/10
15-pole	WQV 2.5/15
20-pole	WQV 2.5/20
32-pole	WQV 2.5/32

/ 32		
Screwed		
5,10		
Type	Qty.	Order No.
WQV 2.5/2	50	1053660000
WQV 2.5/3	50	1053760000
WQV 2.5/4	50	1053860000
WQV 2.5/5	10	1053960000
WQV 2.5/6	10	1054060000
WQV 2.5/7	10	1054160000
WQV 2.5/8	10	1054260000
WQV 2.5/9	10	1054360000
WQV 2.5/10	20	1054460000
WQV 2.5/15	10	1059660000
WQV 2.5/20	10	1577570000
WQV 2.5/32	10	1577600000

**For terminal:**

WDU 1.5 ZZ	WDK 2.5
WDU 1.5 BLZ	WDK 2.5 V
WDU 2.5/1.5 ZR	WDK 2.5 DU-PE
WDU 2.5	WDK 2.5 F
WDU 2.5 F	

WQV 4



/ 32		
Screwed		
6,10		
Type	Qty.	Order No.
WQV 4/2	50	1051960000
WQV 4/3	50	1054560000
WQV 4/4	50	1054660000
WQV 4/5	10	1057860000
WQV 4/6	10	1057160000
WQV 4/7	10	1057260000
WQV 4/10	20	1052060000

**For terminal:**

WDU 4
WDU 4 SL

WQV 6



/ 57		
Screwed		
8,00		
Type	Qty.	Order No.
WQV 6/2	50	1052360000
WQV 6/3	50	1054760000
WQV 6/4	50	1054860000
WQV 6/5	50	1062660000
WQV 6/6	50	1062670000
WQV 6/7	50	1062680000
WQV 6/10	20	1052260000

**For terminal:**

WDU 6
WDU 6 SL

WQV 35N



Technical data	
Current	A
Type of fixing	Screwed
Pitch	mm
Ordering data	
2-pole	WQV 35N/2
3-pole	WQV 35N/3
4-pole	WQV 35N/4
5-pole	
6-pole	
7-pole	
8-pole	
9-pole	
10-pole	
15-pole	
20-pole	
32-pole	

/ 101		
Screwed		
16,00		
Type	Qty.	Order No.
WQV 35N/2	20	1079200000
WQV 35N/3	20	1079300000
WQV 35N/4	20	1079400000

**For terminal:**

WDU 35N
---------

WQV 50N

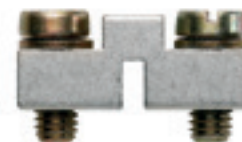


/ 150		
Screwed		
18,50		
Type	Qty.	Order No.
WQV 50N/2	5	1834060000
WQV 50N/3	5	1834070000
WQV 50N/4	5	1834080000

**For terminal:**

WDU 50N
---------

WQV 70N



/ 192		
Screwed		
20,50		
Type	Qty.	Order No.
WQV 70N/2	5	9512240000
WQV 70N/3	5	9512250000
WQV 70N/4	5	9531290000

**For terminal:**

WDU 70N
---------

WQV 10



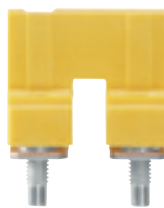
/ 57		
Screwed		
10,00		
Type	Qty.	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000
<b>For terminal:</b>		
WDU 10		
WDU 10 SL		
WDU 10 ZR		

WQV 16



101 / 76		
Screwed		
12,00		
Type	Qty.	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000
<b>For terminal:</b>		
WDU 16		

WQV 16N



101 / 76		
Screwed		
12,00		
Type	Qty.	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000
<b>For terminal:</b>		
WDU 16N		

WQV 35



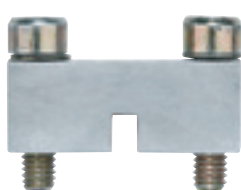
/ 112		
Screwed		
16,00		
Type	Qty.	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1055360000
WQV 35/4	50	1055460000
WQV 35/10	10	1053160000
<b>For terminal:</b>		
WDU 35		

WQV 70/95



/ 192		
Screwed		
27,00		
Type	Qty.	Order No.
WQV 70/95/2	5	1063500000
WQV 70/95/3	5	1063600000
<b>For terminal:</b>		
WDU 70/95		

WQV 95N/120N



269 / 269		
Screwed		
27,00		
Type	Qty.	Order No.
WQV 95N/120N-2	5	1826890000
WQV 95N/120N-3	5	1826900000
WQV 95N/120N-4	5	1826910000
<b>For terminal:</b>		
WDU 95N/120N		

WQV 120



/ 269		
Screwed		
32,00		
Type	Qty.	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000
<b>For terminal:</b>		
WDU 120/150		

Screw connection with clamping yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

A

Screwable QV

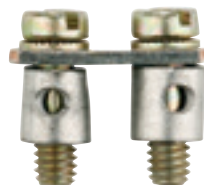
Q AKZ 4 SS



Technical data	
Current	A
Type of fixing	Screwed
Pitch	mm
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
10-pole	
20-pole	

Technical data		
20 / 20		
Screwed		
6,10		
Type	Qty.	Order No.
Q 2 AKZ4SS	50	0369000000
Q 10 AKZ4SS	20	0369300000
For terminal:		
WDK 2.5 / 800 V		

Q / DLI



Technical data		
20 / 20		
Screwed		
5,00		
Type	Qty.	Order No.
Q 2 DLI	50	1312500000
Q 3 DLI	50	1312600000
Q 4 DLI	50	1312700000
Q 10 DLI	20	1313100000
Q 20 DLI	20	1399800000
For terminal:		
DLI 2.5 DLA 2.5 DLD 2.5		

Q AKZ 1.5



Technical data		
/ 24		
Screwed		
5,10		
Type	Qty.	Order No.
Q 2 AKZ1.5	50	0368200000
Q 3 AKZ1.5	50	0368300000
Q 4 AKZ1.5	50	0368400000
Q 10 AKZ1.5	20	0368500000
For terminal:		
AKZ 1.5 AKZ 2.5		

Screwable QV

Q AKZ 4



Technical data	
Current	A
Type of fixing	Screwed
Pitch	mm
Ordering data	
2-pole	
3-pole	
4-pole	
5-pole	
10-pole	
20-pole	

Technical data		
32 / 32		
Screwed		
6,10		
Type	Qty.	Order No.
Q 2 AKZ4	50	0336400000
Q 3 AKZ4	50	0336500000
Q 4 AKZ4	50	0336600000
Q 10 AKZ4	20	0368600000
For terminal:		
AKZ 4		

Q / WDL



Technical data		
/ 24		
Screwed		
6,10		
Type	Qty.	Order No.
Q 2 WDL2.5S	50	1071500000
Q 3 WDL2.5S	50	1071600000
Q 4 WDL2.5S	50	1071700000
Q 10 WDL2.5S	20	1071800000
Q 20 WDL2.5S	20	1074200000
For terminal:		
WDL 2.5/S...(with 10 x 3 busbar) WDL 2.5 (With isolator, external side)		

Potential supply with cross-section reduction

Power supply via

Output terminal

WDU 35

onto WDU 2.5



WDU 35

onto WDU 10



Technical data	
Continuous current 2-pole	A
Thread size	M 4
Tightening torque	Nm
Ordering data	
	2-pole

to WDU 35	to WDU 2.5	
41		
M 4	M 2.5	
1.2 ... 1.8	0.4 ... 0.7	
Type	Qty.	Order No.
WQV 35-2.5	10	1064100000

to WDU 35	to WDU 10	
57		
M 4	M 3	
1.2 ... 1.8	0.5 ... 0.8	
Type	Qty.	Order No.
WQV 35-10	10	1068000000

Power supply via

Output terminal

WDU 16

WDU 2.5



WDU 16N

WDU 2.5



WDU 16N

WDU 4 / WDU 6



Technical data	
Continuous current 2-pole	A
Thread size	M 4
Tightening torque	Nm
Ordering data	
	2-pole

to WDU 16	to WDU 2.5	
41		
M 4	M 2.5	
1.2 ... 1.8	0.4 ... 0.7	
Type	Qty.	Order No.
WQV 16-2.5	10	1063900000

to WDU 16	to WDU 2.5	
24		
M 3	M 2.5	
0.5 ... 0.8	0.4 ... 0.7	
Type	Qty.	Order No.
WQV 16N-2.5	10	1073100000

to WDU 16N	to WDU 4 / 6	
41		
M 3	M 3	
0.5 ... 0.8	0.5 ... 0.8	
Type	Qty.	Order No.
WQV 16N-4/6	10	1072500000

Power supply via

Output terminal

WDU 10

WDU 2.5



WDU 6

WDU 2.5



Technical data	
Continuous current 2-pole	A
Thread size	M 3
Tightening torque	Nm
Ordering data	
	2-pole

to WDU 10	to WDU 2.5	
24		
M 3	M 2.5	
0.5 ... 0.8	0.4 ... 0.7	
Type	Qty.	Order No.
Q WDU10-2.5 SET	10	1859620000

to WDU 6	to WDU 2.5	
24		
M 3	M 2.5	
0.5 ... 0.8	0.4 ... 0.7	
Type	Qty.	Order No.
Q WDU6-2.5 SET	10	1859600000

Note

not finger-safe

not finger-safe

**Note:**  
Cross-section reducing cross-connectors may **not** be used in ATEX applications.

# Screw connection with clamping yoke technology (W-Series)

## Accessories - Testing/checking

### Test adapter

#### WTA 1



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
solid / stranded	mm <sup>2</sup>
flexible / flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	With snap-in pegs
	10-pole

5 / 66.1 / 98.2			
6			
IEC	UL	CSA	
250	300	300	
6	6	6	
1.5			
0.5...1.5			
1...1.5 / 0.5...1.5			
Type	Qty.	Order No.	
WTA 1 WDU1.5	25	1632290000	
WTA 1/ZA WDU1.5	25	1632300000	
For terminal:			
WDU 2.5N			
WDU 4N			

#### WTA 2



5 / 66.1 / 107.6			
6			
IEC	UL	CSA	
250	300		
6			
1.5			
0.5...1.5			
1...1.5 / 0.5...1.5			
Type	Qty.	Order No.	
WTA 2 WDU2.5-10	25	1632320000	
WTA 2/ZA WDU2.5-10	25	1632330000	
WTA 2/10 WDU2.5/10	5	1632340000	
For terminal:			
WDU 1.5 ZZ		WDU 4	
WDU 2.5/1.5 ZR		WDU 6	
WDU 2.5		WDU 10	
WDU 2.5 F		WDU 16	

#### WTA 3



6 / 66.1 / 107.6			
6			
IEC	UL	CSA	
250	300		
6			
1.5			
0.5...1.5			
1...1.5 / 0.5...1.5			
Type	Qty.	Order No.	
WTA 3 WDU4	25	1632350000	
WTA 3/ZA WDU4	25	1632360000	
For terminal:			
WDU 4			
WDU 6			
WDU 10			

### Test adapter

#### WTA 6



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
solid / stranded	mm <sup>2</sup>
flexible / flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pole
	With snap-in pegs
	10-pole

5 / 66.1 / 107.6			
6			
IEC	UL	CSA	
250	300	300	
6	6	6	
1.5			
0.5...1.5			
1...1.5 / 0.5...1.5			
Type	Qty.	Order No.	
WTA 6 WTR2.5	25	1632380000	
WTA 6/ZA WTR2.5	25	1632390000	
For terminal:			
WTR 2.5			

#### WTA 7



6 / 68 / 120			
6			
IEC	UL	CSA	
250	300		
6			
1.5			
0.5...1.5			
1...1.5 / 0.5...1.5			
Type	Qty.	Order No.	
WTA 7 WSI6	25	1650210000	
For terminal:			
WSI 6			

### WTA 4N



5 / 62 / 111.6		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>
250	300	
6		
1.5		
0.5...1.5		
1...1.5 / 0.5...1.5		
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WTA 4N WDK 2.5	25	1878660000
WTA 4N/ZA WDK 2.5	25	1879350000
<b>For terminal:</b>		
WDK 2.5		
WDK 2.5 V		
WDK 2.5 F		
WDK 2.5 FV		

### WTA 5



5 / 17 / 68.2		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>
250	300	
6		
1.5		
0.5...1		
1...1 / 0.5...1		
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WTA 5/1	25	1051260000
<b>For terminal:</b>		
WDU 2.5		
WDU 4		
WDU 6		

### Test adapter

<b>Dimensions</b>	
Width / Length / Height	mm
Stripping length	mm
<b>Rated data</b>	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
<b>Clamped conductors (H05V/H07V)</b>	
solid / stranded	mm <sup>2</sup>
flexible / flexible with ferrule	mm <sup>2</sup>
<b>Ordering data</b>	
	green
	beige

### WTA 8



6 / 39 / 78		
<b>IEC</b>	<b>UL</b>	<b>CSA</b>
205		
6		
1.5		
0.5...2.5		
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WTA 8KO-TN	25	1915480000
WTA 8 TN	25	1915450000
<b>For terminal:</b>		
WTL 4/2 StB		
TN-KO = Isolate - Contact		
KO-TN = Contact - Isolate		
TN = Isolate		

**Screw connection with clamping yoke technology (W-Series)**  
**Accessories – Specific functions and variations**

**SIHA fuse holder**



1. Open fuse holder with fingers or screwdriver



2. Press out old fuse



3. Position new fuse



4. Press fuse holder together again

**For 5x20 G-fuse cartridges**

The SIHA fuse holder turns a test disconnect terminal into a fuse terminal in seconds: Simply remove the isolating lever and insert the fuse plug

- Simple handling – no tools required
- Housing made of Wemid (VO)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)
- Even fits on 5 mm wide terminals when fitted in offset arrangement
- Marking position for Dekafix 5 and space for self-adhesive label size 8/20

**SIHA 1**



	Qty.	Order No.
without LED		
<b>SIHA1/G20</b>	400 V 1	<b>9537550000</b>
with LED (red)		
<b>SIHA1/G20</b>	10 - 36 V 1	<b>9537560000</b>

**For test-disconnect terminal versions**  
 WTR 2.5/ZZ

**SIHA 3**



	Qty.	Order No.
without LED		
<b>SIHA3/G20</b>	400 V 1	<b>7921560000</b>
with LED (red)		
<b>SIHA3/G20</b>	10 - 36 V 1	<b>7921570000</b>
	35 - 70 V 1	<b>7921580000</b>
	60 - 150 V 1	<b>7921590000</b>
	140 - 250 V 1	<b>7921600000</b>

**For test-disconnect terminal versions**  
 WTR 4  
 WTR 4/ZZ  
 WTR 4/ZR  
 WTR 2.5

**SIHA STRAP**



	Qty.	Order No.
with strap		
<b>SIHA STRAP</b>	20	<b>9537680000</b>

Connector for "retro-fit" assembly

- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either left or right





### PEN bridges

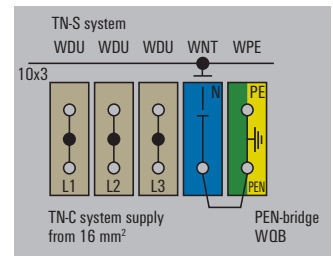
Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge joins separate PE and N conductors into one PEN conductor, creating the transition from a TN-S to a TN-C system.

#### Standard installation

Depending on the terminal type, inside or outside, PEN bridges are available for both PE and N conductor terminals from 10 mm<sup>2</sup>. **Important!** For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

#### Building installation with N-conductor isolation

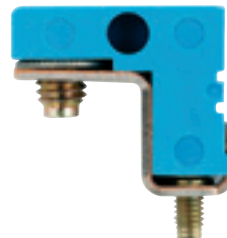
Special external cross-connections (WQB-PEN) are available for neutral conductor test-disconnect terminals (WNT). These establish contact between the NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



### External PEN bridge



### Inside PEN bridge



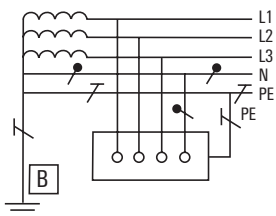
#### WQB-PEN ...

Type	Qty.	Order No.	For terminal
<b>with standard terminals</b>			
WQB-PEN 10	10	1060300000	WPE 10 WDU 10 BL
WQB-PEN 16	10	1060200000	WPE 16 WDU 16 BL
WQB-PEN 35	10	1060100000	WPE 35 WDU 35 BL
<b>with compact terminals</b>			
WQB-PEN 16N	10	1079600000	WNT 16N WPE 16N
WQB-PEN 35N	10	1079500000	WNT 35N WPE 35N
WQB-PEN 70N	10	1079700000	WNT 70N WPE 70N

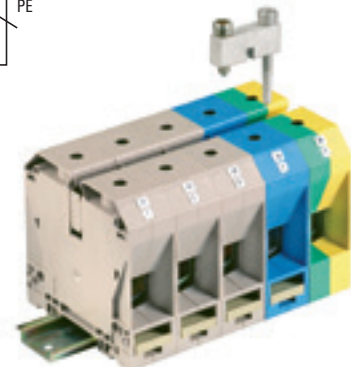
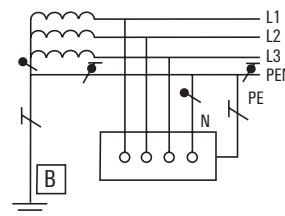
#### WQV ... -PEN

Type	Qty.	Order No.	For terminal
WQV 16N-PEN	10	1071360000	WPE 16N WDU 16N BL
WQV 70N-PEN	5	9525840000	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	1072300000	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	1072400000	WPE 120/150 WDU 120/150 BL
WQV 50N-PEN		9201610000	WPE 50N WDU 50N
WQV 95N/120N-PEN		9201630000	WPE 95N/120N WDU 95N/120N

#### TN-S system:



#### TN-C system:



## Robust connection for harsh conditions

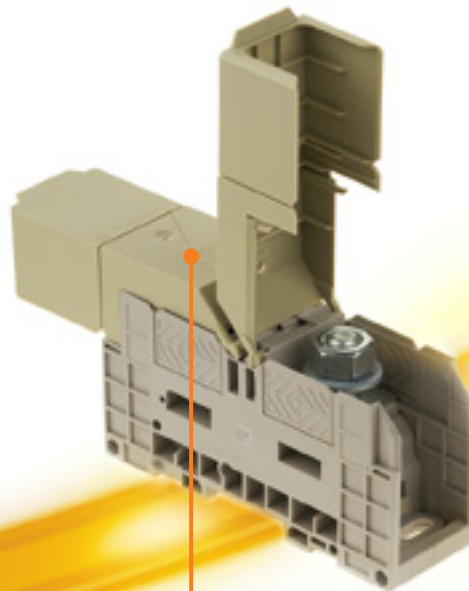
Klippon® Connect offers maintenance-free contacts using stud technology

Whether it is the supply of high power levels to engines, quick and safe coupling of carriages, energy distribution in the carriages and parts thereof, traffic engineering in general, and high-speed trains especially, all pose real challenges for connectivity. For reliable power transfer in these challenging conditions, we offer series WF, WFF and ST 400 stud terminals. With crimped cable lugs, the conductors are laid on the threaded pins and securely connected together by tightening the hex nut to the required torque. The robust processing guarantees the ultimate in safety.



### Our promise

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation.



### Safety

- Safe operation is guaranteed thanks to cover profiles or the snap-on and screwable hinged hoods
- All materials comply with the fire safety regulations found in DIN EN 45545
- All stud terminals are tested in line with the railway standards and made of self-extinguishing material

**Space saving**

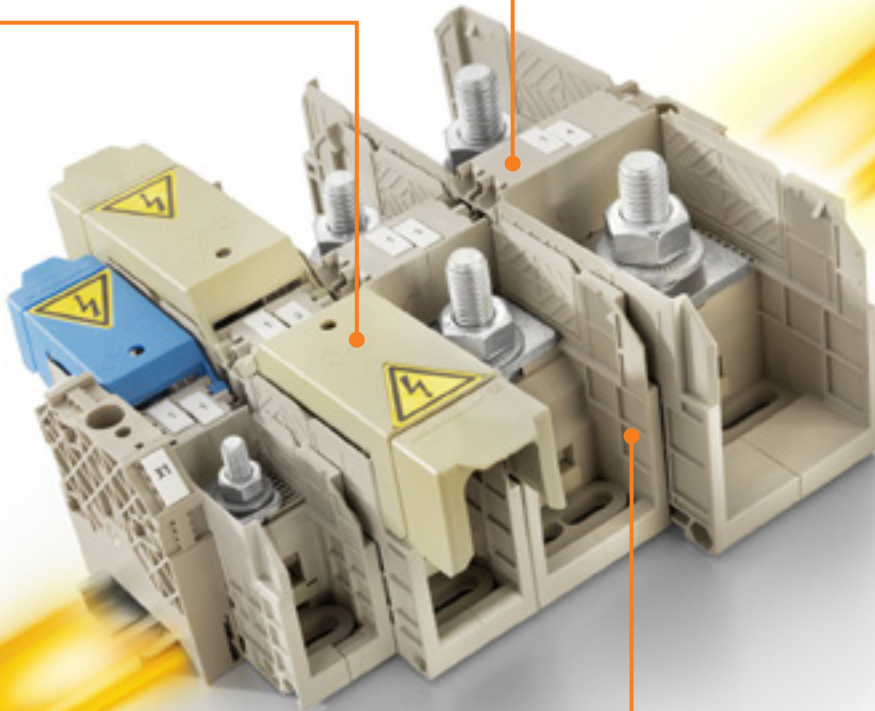
- Up to four cable lugs can be connected for each stud

**Flexibility**

- Designed for voltage ranges up to 4,000 V and currents up to 415 A
- Simple to use: all that is required is one torque wrench
- Extensive portfolio of one and two stud terminals

**Time saving**

- Extensive accessories
- Quick installation

**Overview**

In all applications where reliable power transfer is key, our stud terminals are the safe solution.

**Clever operating concept:**

The WF and WFF stud terminal series are available as single and two-stud terminals. The option of a built-in folding hinged hood gives the two-stud terminals in the WFF-Series a particularly high level of safety.

**Robust and high performance:**

The ST 400 stud terminals, made of glass-fibre reinforced, flame resistant artificial resin for operating voltages of up to 4 kV, are specially designed for use on rail vehicles and tested to meet railway standards. They are perfect for applications with high requirements in terms of vibration and shock resistance.



## Screw connection with stud technology Feed-through terminal blocks

### WF 5

16 mm<sup>2</sup>

Screw thread M5



### WF 5 NFF

16 mm<sup>2</sup>

Screw thread M5



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

13 x 67 x 54.5
<b>76 / 16</b>
<b>0.1...16</b>

13 x 67 x 54.5
<b>76 / 16</b>
<b>0.1...16</b>

### Technical data

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque range	
Note	

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
76	85	85	
16	AWG 10...4	AWG 10...4	
8 kV / 3			
/ V-0			
0.1...16 mm <sup>2</sup>			
0.1...16 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
2...4 Nm			
1000 V UL and CSA for usage groups B and C can be used with isolating DIN rails and when using WTW WF6 1781220000 partition plates.			

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
8 kV / 3			
/ V-0			
0.1...16 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
2...4 Nm			

### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
WF 5	25	<b>1790130000</b>
1000 V DC rated voltage passed with the WTW WF6 1781220000 partition plate.		

Type	Qty.	Order No.
WF 5 NFF	25	<b>1968990000</b>

### Accessories

Cross-connection	
	2-pole
	3-pole
	4-pole
Partition plate	
	dark beige
	Beige epoxy resin
End bracket	
	dark beige
Hood transparent	
	Hood transparent
Holder for shrouding cover transparent	
	Holder for shrouding cover transparent
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF5	101 A	5	<b>1812710000</b>
WQL 3 WF5		5	<b>1812740000</b>
WTW WF6-WF12			
		20	<b>1781240000</b>
WTW WF6 2300			
		20	<b>1781230000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF6/WF8			
		1	<b>1780930000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 12/5 MC NE WS			
		720	<b>1609860000</b>

Type	current	Qty.	Order No.
WQL 2 WF5	101 A	5	<b>1812710000</b>
WQL 3 WF5		5	<b>1812740000</b>
WTW WF6-WF12			
		20	<b>1781240000</b>
WTW WF6 2300			
		20	<b>1781230000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF6/WF8			
		1	<b>1780930000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 15/5 MC NE WS			
		480	<b>1609880000</b>
DEK 5/6 MC NE WS			
		1000	<b>1609820000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1

**WF 6**

**35 mm<sup>2</sup>**

Screw thread M6



17.8 x 67 x 54.5  
**125 / 35**  
**2.5...35**

IEC	UL	CSA	EN 60079-7
1000		1000	
125		150	
35		AWG 14...2	
		8 kV / 3	
		/ V-0	



2.5...35 mm<sup>2</sup>  
2.5...35 mm<sup>2</sup>  
6...25 mm<sup>2</sup>  
6...25 mm<sup>2</sup>  
3...6 Nm

1000 V UL and CSA for use groups B and C. can be used with isolating DIN rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 6	25	<b>1780850000</b>

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WTW WF6		20	<b>1781220000</b>
WTW WF6 2300		20	<b>1781230000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

**WF 6 NFF**

**35 mm<sup>2</sup>**

Screw thread M6



17.8 x 67 x 54.5  
**125 / 35**  
**2.5...35**

IEC	UL	CSA	EN 60079-7
1000			
125			
35			
		8 kV / 3	
		/ V-0	



2.5...35 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
3...6 Nm

Type	Qty.	Order No.
WF 6 NFF	25	<b>1969000000</b>

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WTW WF6 2300		20	<b>1781230000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1

**WF 8**

**50 mm<sup>2</sup>**

Screw thread M8



22.8 x 67 x 63.5  
**150 / 50**  
**2.5...50**

IEC	UL	CSA	EN 60079-7
1000		1000	
150		200	
50		AWG 14...0	
		8 kV / 3	
		/ V-0	



2.5...50 mm<sup>2</sup>  
2.5...50 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
6...12 Nm

The WQL 2 for WF 6 on the WF 8 is available under Order no. 1808980000.

Type	Qty.	Order No.
WF 8	25	<b>1780860000</b>

1000 V UL and CSA for use groups B and C. can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WTW WF8		20	<b>1780900000</b>
WTW WF8 2300		20	<b>1780910000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

## Screw connection with stud technology Feed-through terminal blocks

### WF 8 NFF

50 mm<sup>2</sup>

Screw thread M8



### WF 10

120 mm<sup>2</sup>

Screw thread M10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

22.8 x 67 x 63.5
<b>150 / 50</b>
<b>2.5...50</b>

33.8 x 67 x 72.5
<b>269 / 120</b>
<b>6...120</b>

### Technical data

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque range	
Note	

IEC	UL	CSA	EN 60079-7
1000			
150			
50			
		8 kV / 3	
		/V-0	
2.5...50 mm <sup>2</sup>			
6...35 mm <sup>2</sup>			
6...12 Nm			
Note			

IEC	UL	CSA	EN 60079-7
1000		1000	
269		320	
120		AWG 10...250	
		8 kV / 3	
		/V-0	
6...120 mm <sup>2</sup>			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...20 Nm			
The WQL 2 for WF 6 on the WF 10 is available under Order no. 1806620000.			

### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
WF 8 NFF	25	<b>1968960000</b>

Type	Qty.	Order No.
WF 10	20	<b>1780870000</b>
1000 V UL and CSA for use groups B and C. can be used with isolating DIN rails and when using WTW-type partitions.		

### Accessories

Cross-connection	
	2-pole
	3-pole
	4-pole
Partition plate	
	dark beige
	Beige epoxy resin
End bracket	
	dark beige
Hood transparent	
	Hood transparent
Holder for shrouding cover transparent	
	Holder for shrouding cover transparent
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WTW WF6-WF12			
		20	<b>1781240000</b>
WTW WF8 2300			
		20	<b>1780910000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF6/WF8			
		1	<b>1780930000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 15/5 MC NE WS			
		480	<b>1609880000</b>
DEK 5/6 MC NE WS			
		1000	<b>1609820000</b>

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	<b>1781010000</b>
WQL 3 WF10	265 A	5	<b>1781020000</b>
WQL 4 WF10		5	<b>1027840000</b>
WTW WF10/WF12			
		20	<b>1780890000</b>
WTW WF10/WF12 2300			
		20	<b>1780920000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF10/WF12			
		1	<b>1780940000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 10/6 MC NE WS			
		600	<b>1828450000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

**WF 10 NFF**

**120 mm<sup>2</sup>**

Screw thread M10



33.8 x 67 x 72.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/V-0		
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...20 Nm			
The WQL 2, for WF 6 on WF 10, is available under order no. 180662000.			

Type	Qty.	Order No.
WF 10 NFF	20	<b>1968950000</b>

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	<b>1781010000</b>
WQL 3 WF10	265 A	5	<b>1781020000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
SMSE WF10/2XM6		10	<b>1868880000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1

**WF 12**

**120 mm<sup>2</sup>**

Screw thread M12



33.8 x 67 x 70.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10...250	AWG 10...250	
	8 kV / 3		
	/V-0		
6...120 mm <sup>2</sup>			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
14...31 Nm			

Type	Qty.	Order No.
WF 12	20	<b>1780880000</b>

1000 V UL and CSA for use groups B and C. can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	<b>1781030000</b>
WQL 3 WF12	265 A	5	<b>1781040000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

**WF 12 NFF**

**120 mm<sup>2</sup>**

Screw thread M12



33.8 x 67 x 70.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/V-0		
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
14...31 Nm			

Type	Qty.	Order No.
WF 12 NFF	20	<b>1968940000</b>

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	<b>1781030000</b>
WQL 3 WF12	265 A	5	<b>1781040000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
SMSE WF10/2XM6		10	<b>1868880000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1

## Screw connection with stud technology Feed-through terminal blocks

### WF 6/2BZ

35 mm<sup>2</sup>

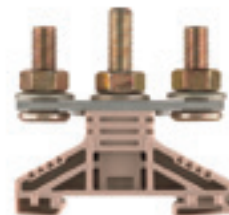
Screw thread M6



### WF 8/2BZ

50 mm<sup>2</sup>

Screw thread M8



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

17.8 x 67 x 54.5
<b>125 / 35</b>
<b>2.5...35</b>

22.8 x 67 x 63.5
<b>150 / 50</b>
<b>2.5...50</b>

### Technical data

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque range	

IEC	UL	CSA	EN 60079-7
1000		1000	
125		115	
35			
		8 kV / 3	
		/V-0	
CE			
2.5...35 mm <sup>2</sup>			
2.5...35 mm <sup>2</sup>			
6...25 mm <sup>2</sup>			
6...25 mm <sup>2</sup>			
3...6 Nm			

IEC	UL	CSA	EN 60079-7
1000		1000	
150		150	
50			
		8 kV / 3	
		/V-0	
CE			
2.5...50 mm <sup>2</sup>			
2.5...50 mm <sup>2</sup>			
6...35 mm <sup>2</sup>			
6...35 mm <sup>2</sup>			
6...12 Nm			

**Note**

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
WF 6/2BZ	25	<b>1789770000</b>
1000 VDC rated voltage tested.		

Type	Qty.	Order No.
WF 8/2BZ	25	<b>1789780000</b>
1000 VDC rated voltage tested.		

### Accessories

Cross-connection	
	2-pole
	3-pole
Partition plate	
	dark beige
	Beige epoxy resin
End bracket	
	dark beige
Hood transparent	
	Hood transparent
Holder for shrouding cover transparent	
	Holder for shrouding cover transparent
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WTW WF10/WF12			
		20	<b>1780890000</b>
WTW WF6 2300			
		20	<b>1781230000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF10/WF12			
		1	<b>1780940000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 12/5 MC NE WS			
		720	<b>1609860000</b>

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WTW WF10/WF12			
		20	<b>1780890000</b>
WTW WF8 2300			
		20	<b>1780910000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF10/WF12			
		1	<b>1780940000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 12/5 MC NE WS			
		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

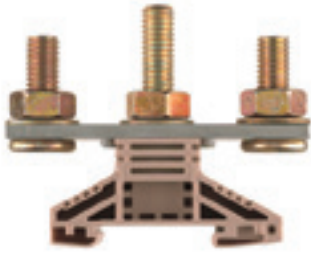
With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1



WF 10/2BZ

120 mm<sup>2</sup>

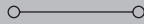
Screw thread M10



33.8 x 87.6 x 72.5

269 / 120

6...120



IEC	UL	CSA	EN 60079-7
1000		1000	
269		230	
120			
8 kV / 3			
/ V-0			

CE  

6...120 mm<sup>2</sup>

6...120 mm<sup>2</sup>

10...95 mm<sup>2</sup>

10...95 mm<sup>2</sup>

10...20 Nm

1000 V UL and CSA for use groups B and C; can be used with isolating DIN rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 10/2BZ	20	1789790000
1000 VDC rated voltage tested.		

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	1781010000
WQL 3 WF10	265 A	5	1781020000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

With WTW...2300 made from epoxy resin, rated current 1500 V up to 70 mm<sup>2</sup> according to prelim. EN 50124 pt 1

**Screw connection with stud technology**  
**Feed-through terminal blocks**

Universal range

**A**

**WFF 35**

**35 mm<sup>2</sup>**

Screw thread M6



**WFF 35 NFF**

**35 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27 x 107 x 51
<b>150 / 50</b>
<b>2.5...50</b>

27 x 107 x 51
<b>125 / 50</b>
<b>2.5...50</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	
Tightening torque, min.	
Note	

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
125	115	130	109
35	AWG 14...2	AWG 14...2	35 mm <sup>2</sup>
8 kV / 3			
/ V-0			
CE       KEMA 98ATEX1684 U			
2.5...50 mm <sup>2</sup> / 2.5...35 mm <sup>2</sup>			
6...25 mm <sup>2</sup> / 6...25 mm <sup>2</sup>			
3			
Note			

IEC	UL	CSA	EN 60079-7
500			
125			
35			
/ V-0			
2.5...50 mm <sup>2</sup> /			
9			
Note			

**Ordering data**

Version	
	dark beige
	dark beige
	blue
Note	

Type	Qty.	Order No.
WFF 35	10	1028300000
WFF 35/AH	5	1029300000
WFF 35 BL	10	1028380000
Note		
1000 VDC rated voltage tested.		

Type	Qty.	Order No.
WFF 35 NFF	5	1049220000
Note		

**Accessories**

Cross-connection	
	2-pole
	3-pole
Partition plate	
	dark beige
End bracket	
	dark beige
Cover hood	
	Hood, dark beige Wemid
Warning triangle for power supply terminals	
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WFF35	150 A	5	1064900000
WQL 3 WFF35	150 A	5	1065400000
WTW WFF35		10	1067100000
WEW 35/1		50	1059000000
WAH 35		20	1064460000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.

For detailed information on other accessories and application in the online catalogue

WAH 35 in blue, Order no. 1064480000

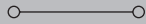
**WFF 70**

**70 mm<sup>2</sup>**

Screw thread M8



31.8 x 132 x 61  
**232 / 95**  
**2.5...95**



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
192	175	170	167
70	AWG 14...0	AWG 14...0	70 mm <sup>2</sup>

8 kV / 3  
/ V-0

KEMA 98ATEX1684 U

2.5...95 mm<sup>2</sup> /  
16...70 mm<sup>2</sup> / 16...70 mm<sup>2</sup>

6

When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm<sup>2</sup>, the rated voltage is reduced to 800 V.

Type	Qty.	Order No.
WFF 70	10	<b>1028400000</b>
WFF 70/AH	5	<b>1029400000</b>
WFF 70 BL	10	<b>1028480000</b>

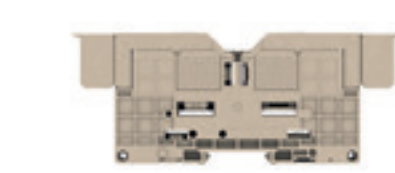
1000 VDC tested. 1000 V UL and CSA for use groups B & C. can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WFF70	232 A	5	<b>1065000000</b>
WQL 3 WFF70	232 A	5	<b>1065500000</b>
WTW WFF70		10	<b>1067200000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 70 BE		20	<b>1064560000</b>
WD 1 25 K KARTE A 6 ST		5	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

WAH 70 in blue, Order no. 1064580000

**WFF 70 NFF**

**70 mm<sup>2</sup>**



32 x 132 x 61  
**192 / 95**  
**2.5...95**

IEC	UL	CSA	EN 60079-7
500			
192			
70			

/ V-0

2.5...95 mm<sup>2</sup> /

15

Type	Qty.	Order No.
WFF 70 NFF	5	<b>1049230000</b>

Type	current	Qty.	Order No.

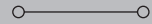
**WFF 120**

**120 mm<sup>2</sup>**

Screw thread M10



42 x 132 x 72  
**309 / 150**  
**6...150**



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	310	310	234
120	AWG 10...250	AWG 10...250	120 mm <sup>2</sup>

8 kV / 3  
/ V-0

KEMA 98ATEX1684 U

6...150 mm<sup>2</sup> / 6...120 mm<sup>2</sup>  
16...150 mm<sup>2</sup> /

10

Type	Qty.	Order No.
WFF 120	5	<b>1028500000</b>
WFF 120/AH	4	<b>1029500000</b>
WFF 120 BL	5	<b>1028580000</b>

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF120	309 A	5	<b>1065100000</b>
WQL 3 WFF120	309 A	5	<b>1065600000</b>
WTW WFF120		10	<b>1067300000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 120		20	<b>1064660000</b>
WD 1 25 K KARTE A 6 ST		5	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

WAH 120 in blue, order No. 1064680000

**Screw connection with stud technology**  
**Feed-through terminal blocks**

**WFF 120 NFF**

**120 mm<sup>2</sup>**



**WFF 185**

**185 mm<sup>2</sup>**

Screw thread M12



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

42 x 132 x 72.5
<b>269 / 150</b>
<b>6...150</b>

55 x 163 x 77.5
<b>415 / 240</b>
<b>10...240</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	
Tightening torque, min.	
Note	

IEC	UL	CSA	EN 60079-7
500			
269			
120			
/ V-0			
6...150 mm <sup>2</sup> /			
30			
Note			

IEC 60947-1		Ex e II	
IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
353	380	360	307
185	AWG 8...500	AWG 8...500	185 mm <sup>2</sup>
8 kV / 3			
/ V-0			
CE		KEMA 98ATEX1684 U	
10...240 mm <sup>2</sup> /			
25...240 mm <sup>2</sup> /			
14			
Note			

**Ordering data**

Version	
	dark beige
	dark beige
	blue
Note	

Type	Qty.	Order No.
WFF 120 NFF	4	<b>1049240000</b>
Note		

Type	Qty.	Order No.
WFF 185	4	<b>1028600000</b>
WFF 185/AH	2	<b>1029600000</b>
WFF 185 BL	4	<b>1028680000</b>
1000 VDC rated voltage tested.		

**Accessories**

Cross-connection	
	2-pole
	3-pole
Partition plate	dark beige
End bracket	dark beige
Cover hood	Hood, dark beige Wemid
Warning triangle for power supply terminals	
Identification systems	

Type	current	Qty.	Order No.

Type	current	Qty.	Order No.
WQL 2 WFF185	415 A	5	<b>1065200000</b>
WQL 3 WFF185	415 A	5	<b>1065700000</b>
WTW WFF185/300		10	<b>1067400000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 185/300 BE		10	<b>1064760000</b>
WD 1 25 K KARTE A 6 ST		5	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

For detailed information on other accessories and application in the online catalogue

WAH 185/300 in blue, Order no. 1064780000

WFF 185 NFF

185 mm<sup>2</sup>

WFF 300

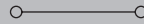
300 mm<sup>2</sup>

Screw thread M16



55 x 163 x 77.2  
353 / 240  
10...240

55 x 163 x 85.5  
520 / 300  
25...300



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500			
353			
185			
/ V-0			
10...240 mm <sup>2</sup> /			
40			

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
520	500	510	452
300	AWG 6...600	AWG 6...600	300 mm <sup>2</sup>
8 kV / 3			
/ V-0			
CE     KEMA 98ATEX1684 U			
25...240 mm <sup>2</sup> / 25...240 mm <sup>2</sup>			
50...300 mm <sup>2</sup> /			
25			

Type	Qty.	Order No.
WFF 185 NFF	2	1049250000

Type	Qty.	Order No.
WFF 300	4	1028700000
WFF 300/AH	2	1029700000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.

Type	current	Qty.	Order No.
WQL 2 WFF300	520 A	5	1065300000
WQL 3 WFF300	520 A	5	1065800000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		5	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 185/300 in blue, Order no. 1064780000

**Screw connection with stud technology**  
**Feed-through terminal blocks – Accessories**

**Potential distribution from stud terminals M10 to 2 x M6**

The potential distribution between adjacent stud terminals can be implemented simply using 2- and 3-pole cross-connections, please consult products in the stud terminal section. Reduced cross-sections are required for special applications. These so-called cross-connection lugs are offered accordingly for varying thread sizes from M6 to M10 with a wide range of combinations.

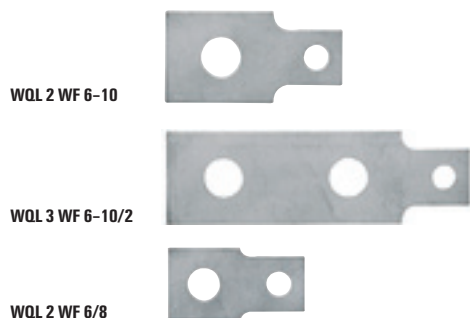


**Ordering data**

Type	Qty.	Order No.
SMSE WF10/2XM6	10	1868880000

Note
Hole diameter: 10 mm for M10 studs Stud terminals: WF 10... and WFF 120. The rated current is dependent on the test set-up.

**WQL special cross-connection lugs**



**Ordering data**

Type	Depth	current	Clamping screw	Terminal screw, additional connection	Qty.	Order No.
WQL 2 WFG-10	4 mm	125 A	M 6	M 10	5	1806620000
WQL 3 WFG-10/2	4 mm	125 A	M 6	M 10	5	1806640000
WQL 2 WFG-8	4 mm	125 A	M 6	M 8	5	1808980000
WQL 4 WFG-6/3	4 mm	24 A	M 8	M 6	5	1904960000

Note

### WF cross-connections



Type	Poles	current	Qty.	Order No.
<b>WF 5</b>				
WQL 2 WF5	2	101 A	5	1812710000
WQL 3 WF5	3		5	1812740000
<b>WF 6 &amp; WF 6/2BZ</b>				
WQL 2 WF6	2	125 A	5	1780970000
WQL 3 WF6	3	125 A	5	1780980000
<b>WF 8 &amp; WF 8/2BZ</b>				
WQL 2 WF8	2	150 A	5	1780990000
WQL 3 WF8	3	150 A	5	1781000000
<b>WF 10 &amp; WF 10/2BZ</b>				
WQL 2 WF10	2	265 A	5	1781010000
WQL 3 WF10	3	265 A	5	1781020000
WQL 4 WF10	4		5	1027840000
<b>WF 12</b>				
WQL 2 WF12	2	265 A	5	1781030000
WQL 3 WF12	3	265 A	5	1781040000
<b>WFF 35</b>				
WQL 2 WFF35	2	150 A	5	1064900000
WQL 3 WFF35	3	150 A	5	1065400000
<b>WFF 70</b>				
WQL 2 WFF70	2	232 A	5	1065000000
WQL 3 WFF70	3	232 A	5	1065500000
<b>WFF 120</b>				
WQL 2 WFF120	2	309 A	5	1065100000
WQL 3 WFF120	3	309 A	5	1065600000
<b>WFF 185</b>				
WQL 2 WFF185	2	415 A	5	1065200000
WQL 3 WFF185	3	415 A	5	1065700000
<b>WFF 300</b>				
WQL 2 WFF300	2	520 A	5	1065300000
WQL 3 WFF300	3	520 A	5	1065800000

### WF-Series partition plates



Type	Colour	Width	Qty.	Order No.
WTW WF6-WF12	Dark Beige	2.5 mm	20	1781240000
WTW WF6	Dark Beige	3 mm	20	1781220000
WTW WF8	Dark Beige	3 mm	20	1780900000
WTW WF10/WF12	Dark Beige	3 mm	20	1780890000

### WFF-Series partition plates



Type	Colour	Width	Qty.	Order No.
WTW WFF35	Dark Beige	2 mm	10	1067100000
WTW WFF70	Dark Beige	2 mm	10	1067200000
WTW WFF120	Dark Beige	2 mm	10	1067300000
WTW WFF185/300	Dark Beige	2 mm	10	1067400000

**Screw connection with stud technology**  
**Feed-through terminal blocks – Accessories**

**Cover profile, transparent**



Type	Colour	Width	Qty.	Order No.
WAH 35	Beige	26 mm	20	1064460000
WAH 70 BE	Beige	31 mm	20	1064560000
WAH 120	Beige	41 mm	20	1064660000
WAH 185/300 BE	Beige	54 mm	10	1064760000

**WF-Series 2,300 V partition plates**



Type	Colour	Width	Qty.	Order No.
WTW WF6 2300	Grey	2 mm	20	1781230000
WTW WF8 2300	Grey	2 mm	20	1780910000
WTW WF10/WF12 2300	Grey	2 mm	20	1780920000

**Warning triangle for power supply terminals**



Type	Colour	Width	Qty.	Order No.
WD 1 25 K KARTE A 6 ST		20.5 mm	5	1563900000





**Screw connection with stud technology**  
**Feed-through terminal blocks**

**ST 4000/S M8**

**120 mm<sup>2</sup>**

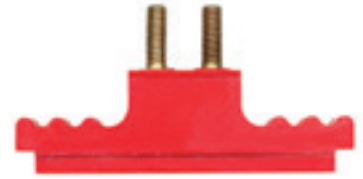
Screw thread M8



**ST 4000/S M10**

**120 mm<sup>2</sup>**

Screw thread M10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	-

40 x 150 x
<b>269 /</b>

40 x 150 x
<b>269 /</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque range	
Note	

IEC	UL	CSA	EN 60079-7
4000			
269			
120			
	30 kV / 3		
	/ V-0		
1.5 - 120 mm <sup>2</sup>			
16...70 mm <sup>2</sup>			
6...18 Nm			
Rated voltage when using cable lugs according to DIN 46234			

IEC	UL	CSA	EN 60079-7
4000			
269			
120			
	30 kV / 3		
	/ V-0		
4 - 120 mm <sup>2</sup>			
10...20 Nm			
Rated voltage when using cable lugs according to DIN 46234			

**Ordering data**

Version	
	with internal thread
	red
Note	

Type	Qty.	Order No.
ST 4000/S M8 F	25	<b>1809120000</b>
ST 4000/S M8	25	<b>1809110000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	Qty.	Order No.
ST 4000/S M10 F	25	<b>1809140000</b>
ST 4000/S M10	25	<b>1809130000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

**Accessories**

Cross-connection	
	2-pole
	3-pole
	4-pole
Busbar	
	M10 / 4 mm thick
	M10 / 6 mm thick
	M8 / 4 mm thick
	M12 / 4 mm thick
	M12 / 6 mm thick
Connecting piece	
	130 mm length
	160 mm length
Partition plate	
	150 mm length
	180 mm length
End partition	
	150 mm length
	180 mm length
Touch-safe protection	
	150 mm length
	180 mm length

Type	current	Qty.	Order No.
ST 4000/S J2 M8		100	<b>1809310000</b>
ST 4000/S J3 M8		50	<b>1809320000</b>
ST 4000/S CB M8/4			
		100	<b>1809250000</b>
ST 4000/S C130			
		50	<b>1809230000</b>
ST 4000/S P150			
		50	<b>1809190000</b>
ST 4000/S E150			
		50	<b>1809210000</b>
ST 4000/S S150			
		20	<b>1809470000</b>

Type	current	Qty.	Order No.
ST 4000/S J2 M10		100	<b>1809340000</b>
ST 4000/S CB M10/4			
		100	<b>1809260000</b>
ST 4000/S CB M10/6			
		100	<b>1809270000</b>
ST 4000/S C130			
		50	<b>1809230000</b>
ST 4000/S P150			
		50	<b>1809190000</b>
ST 4000/S E150			
		50	<b>1809210000</b>
ST 4000/S S150			
		20	<b>1809470000</b>

For detailed information on other accessories and application in the online catalogue

**ST 4000/L M10**

**150 mm<sup>2</sup>**

Screw thread M10



55 x 180 x  
**309 /**



IEC	UL	CSA	EN 60079-7
4000			
309			
150			
29.5 kV / 3			
/ V-0			
10 - 150 mm <sup>2</sup>			
25 - 150 mm <sup>2</sup>			
10...20 Nm			
Rated voltage when using cable lugs according to DIN 46234			

Type	Qty.	Order No.
ST 4000/L M10	15	<b>1809150000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	current	Qty.	Order No.
ST 4000/L J2 M10		50	<b>1809370000</b>
ST 4000/L J4 M10		25	<b>1809390000</b>
ST 4000/L CB M10/4		100	<b>1809280000</b>
ST 4000/L C160		50	<b>1809240000</b>
ST 4000/L P180		50	<b>1809200000</b>
ST 4000/L E180		50	<b>1809220000</b>
ST 4000/L S180		1	<b>1809480000</b>

**ST 4000/L M12**

**240 mm<sup>2</sup>**

Screw thread M12



55 x 180 x  
**415 /**











IEC	UL	CSA	EN 60079-7
4000			
415			
240			
29.5 kV / 3			
/ V-0			
10...240 mm <sup>2</sup>			
25...240 mm <sup>2</sup>			
14...31 Nm			
Rated voltage when using cable lugs according to DIN 46234			

Type	Qty.	Order No.
ST 4000/L M12 F	15	<b>1809180000</b>
ST 4000/L M12	15	<b>1809170000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	current	Qty.	Order No.
ST 4000/L J2 M12		50	<b>1809400000</b>
ST 4000/L J3 M12		50	<b>1809410000</b>
ST 4000/L J4 M12		25	<b>1809420000</b>
ST 4000/L CB M12/4		100	<b>1809290000</b>
ST 4000/L CB M12/6		100	<b>1809300000</b>
ST 4000/L C160		50	<b>1809240000</b>
ST 4000/L P180		50	<b>1809200000</b>
ST 4000/L E180		50	<b>1809220000</b>
ST 4000/L S180		1	<b>1809480000</b>



# Application range

<b>Application range</b>	Application fields in the panel	B.2
	Power feed-in	B.4
	Screw connection	B.6
	Power distribution	B.14
	Screw connection	B.16
	Control voltage distribution	B.26
	PUSH IN connection	B.28
	Instrument transformer wiring	B.46
	PUSH IN connection	B.48
	Tension clamp connection	B.50
	Screw connection	B.52
	Signal wiring	B.62
	PUSH IN connection	B.64
	Tension clamp connection	B.66
	Screw connection	B.68
	DCS marshalling	B.72
	PUSH IN connection	B.74
	Screw connection	B.78
	Shielding and earthing	B.88
	Shield clamping saddles	B.90
	Tension clamp connection	B.102
	Screw connection	B.103
	Building installation wiring	B.110
	PUSH IN connection	B.112
	Tension clamp connection	B.124
	Screw connection	B.132

# Panel building requires innovative ideas

## Klippon® Connect delivers pioneering connectivity solutions

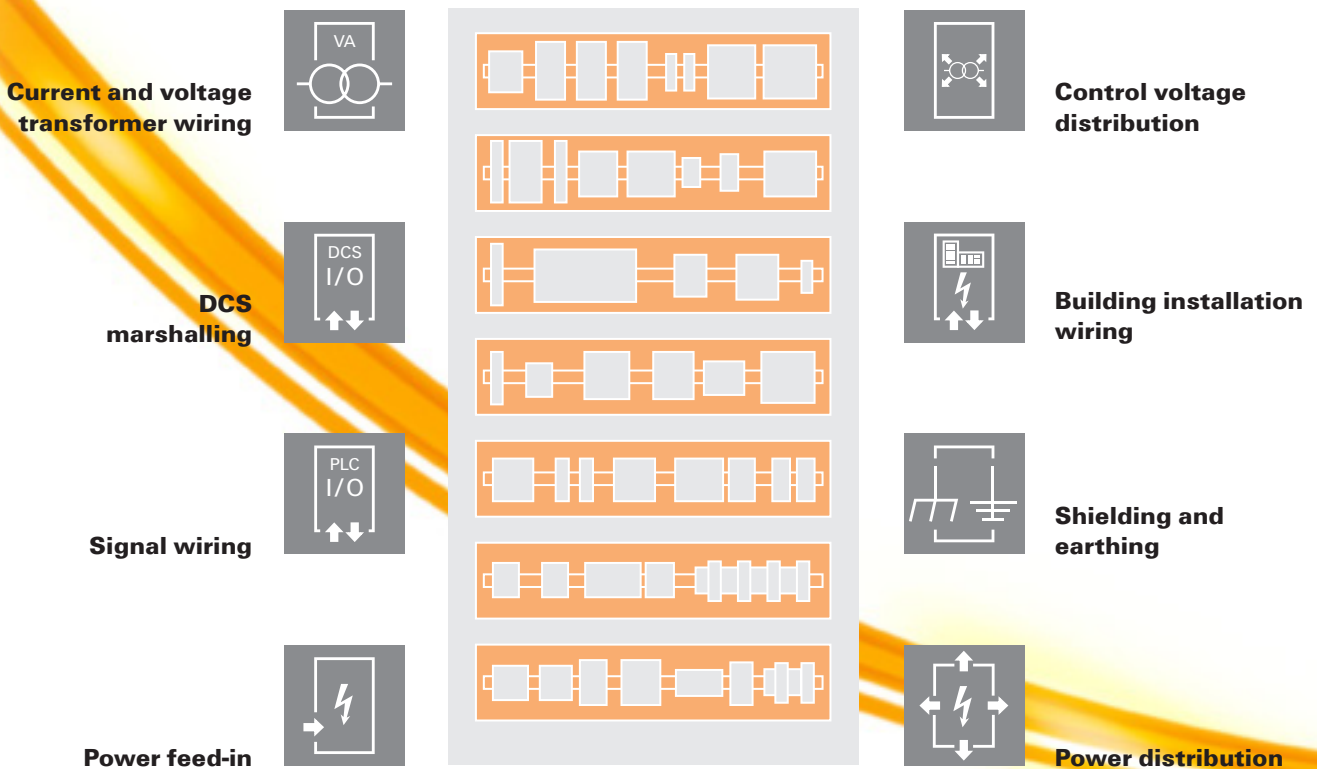
### B

While panels are indeed configured individually, various recurring application fields within the panel are a permanent fixture in almost all industries.

We have identified and developed special solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, our needs-based application products decisively help to boost your productivity, efficiency and safety at all stages of the panel building process.

#### Our promise

Our tailored application range guarantees substantial efficiency benefits at every individual stage of the process and leads to unbeatable productivity gains in your panel building operations.





### Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.



### Power distribution

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.



### Control voltage distribution

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.



### Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.



### Signal wiring

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.



### DCS marshalling

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.



### Shielding and earthing

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.



### Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

## Reliable and efficient power supply

### Really convenient with Klippon® Connect

B



More and more components need to be housed in switchgear and panels within a confined space. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient and space-saving.

#### Our promise

The feed-in of power to switchgear and panels is much easier with Klippon® Connect: our connection solutions ensure reduced wiring work and efficient processes. The compact design means you save space and money, whilst increasing productivity on a sustainable basis.



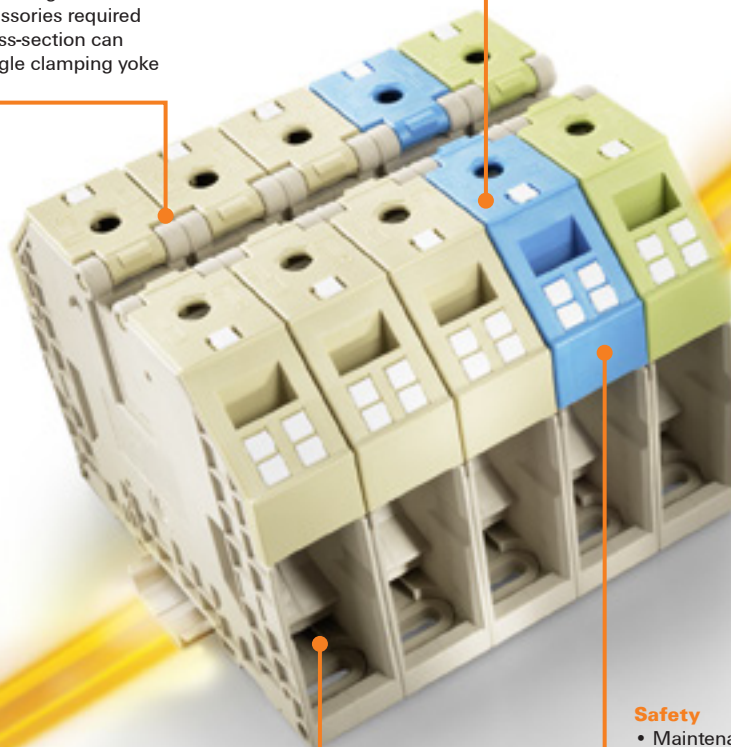


**Space saving**

- Small size of "W Compact" saves space in the panel
- Consistent design makes planning easier and reduces the amount of accessories required
- Conductors of the same cross-section can easily be connected to a single clamping yoke

**Flexibility**

- Best connections in standard and compact models
- Can be clipped onto or removed from the terminal rail in either direction

**Time saving**

- Reduced wiring times, as the terminal blocks are always delivered with clamping yoke open

**Safety**

- Maintenance-free connection without tightening the clamping screw
- Mis-connection protection to ensure safe insertion of the conductor

**Our range****Wide range – safe connections:**

In confined spaces, our compact terminal blocks with proven clamping yoke technology increase convenience and enable perfect connections. The strong force of the clamping yoke spring ensures vibration-resistant contacting and compensates for the relaxation in the connected conductor.

**Cost-effective and robust:**

Under harsh environmental conditions with high levels of vibration and shock, such as in traffic engineering, our terminal blocks using stud technology offer excellent safety. With robust workmanship and flexible accessories, our stud terminals meet the requirements for safe, reliable power transfer.

**Power feed-in  
Screw connection**

**B**

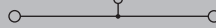
**WDU 50N**

**50 mm<sup>2</sup>**

Compact design



18.5 x 70 x 69.6  
**192 / 70**  
**10...70**



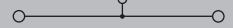
**WDU 50N IR**

**50 mm<sup>2</sup>**

Six-lobe socket



18.5 x 70 x 69.6  
**192 / 70**  
**10...70**



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000	600	600	690
150	150	150	126
50	AWG 10...0	AWG 8...0	50 mm <sup>2</sup>
8 kV / 3			
B10 / V-0			
CE (E) (R) (S) (A) KEMA98ATEX1683U			
Rated connection		Further connection	
6...16 / 6...70			
10...50 / 6...50			
3.5...6 Nm (M 6)			
24 / S4 (DIN 6911)			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
150			
50			
8 kV / 3			
B10 / V-0			
CE			
Rated connection		Further connection	
10...16 / 10...70			
10...50 / 10...50			
3...6 Nm (M 6)			
24 / S4 (DIN 6911)			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 50N	10	1820840000
WDU 50N BL	10	1820850000
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	Qty.	Order No.
WDU 50N IR	10	1186630000
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Additional connection	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
Ribbon cable clamp	
Identification systems	

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor „WZAD 50N“ 1872720000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

Cross-connections, see section „W series accessories“.

**WDU 70N**

**70 mm<sup>2</sup>**

Compact design



20.5 x 75 x 85  
**232 / 95**  
**16...95**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	167
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

KEMA98ATEX1683U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70N/35	10	<b>9512190000</b>
WDU 70N/35 BL	10	<b>9512420000</b>

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	<b>9512240000</b>
WQV 70N/3	192 A	5	<b>9512250000</b>
WQV 70N/4	192 A	5	<b>9531290000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 70N		5	<b>1964830000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Auxiliary connection for additional conductor „WZAD 70N“ 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

**WDU 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



27 x 132 x 107  
**232 / 120**  
**13.3...120**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	690
232	175	205	202
95	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B12 / V-0

KEMA98ATEX1686U

Rated connection	Further connection
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm (M 8)	
30 / S6 (DIN 6911)	
16...16 / 16...35	
16...35 / 16...35	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70/95	10	<b>1024600000</b>
WDU 70/95 BL	10	<b>1024680000</b>

For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.

Type	current	Qty.	Order No.
WQV 70/95/2	192 A	5	<b>1063500000</b>
WQV 70/95/3	232 A	5	<b>1063600000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 27 M. BL		10	<b>1062860000</b>
WAD 27 NEUTRAL		10	<b>1062960000</b>
WZAD 70/95		10	<b>1066000000</b>
WFL 70/95		5	<b>1616330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Auxiliary connection for the additional conductor „WZAD 70“, 1066000000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section „W series accessories“.

**WDU 95N/120N**

**120 mm<sup>2</sup>**

Compact design



27 x 91 x 90  
**290 / 150**  
**16...150**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	243
120	AWG 4...250	AWG 4...0	120 mm <sup>2</sup>

8 kV / 3  
B13 / V-0

KEMA98ATEX1683U

Rated connection	Further connection
16...16 / 16...150	
16...120 / 16...95	
12...20 Nm (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 95N/120N	5	<b>1820550000</b>
WDU 95N/120N BL	5	<b>1820560000</b>

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	<b>1826890000</b>
WQV 95N/120N/3	269 A	5	<b>1826900000</b>
WQV 95N/120N/4	269 A	5	<b>1826910000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 95N/120N		5	<b>1859580000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Auxiliary connection for additional conductor „WZAD 95N/120N“ 1859580000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section „W series accessories“.

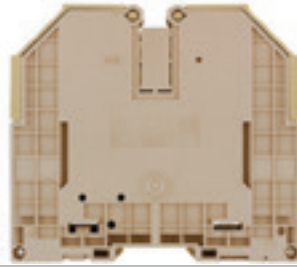
**Power feed-in**  
**Screw connection**

**B**

**WDU 120/150**

**120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

32 x 132 x 117	
<b>309 / 150</b>	
<b>33.63...150</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
1000	1000	600	1100				
269	225	285	234				
120	AWG 2...250	AWG 2...250	120 mm <sup>2</sup>				
8 kV / 3							
B13 / V-0							
				KEMA98ATEX1686U			
<b>Rated connection</b>		<b>Further connection</b>					
/ 35...150							
35...150 / 35...150							
10...20 Nm (M 10)							
35 / S6 (DIN 6911)							
...16 / 35...70							
35...70 / 35...70							

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 120/150	10	<b>1024500000</b>
WDU 120/150 BL	10	<b>1024580000</b>
For direct mounting see section W-Series, Accessories.		

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Additional connection</b>	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
<b>Ribbon cable clamp</b>	
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 120/2	269 A	5	<b>1063300000</b>
WQV 120/3	269 A	5	<b>1063400000</b>
<b>WEW 35/1</b>			
		50	<b>1059000000</b>
<b>WAD 27 M. BL.</b>			
		10	<b>1062860000</b>
<b>WAD 27 NEUTRAL</b>			
		10	<b>1062960000</b>
<b>WZAD 120</b>			
		10	<b>1066100000</b>
<b>WFL 120/150</b>			
		5	<b>1616340000</b>
<b>DEK 5/5 MC NE WS</b>			
		1000	<b>1609801044</b>
<b>WS 12/6.5 MC NE WS</b>			
		540	<b>1609920000</b>

**WDU 240**

**240 mm<sup>2</sup>**



36 x 100 x 123.7	
<b>415 / 240</b>	
<b>70...240</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
1000	600	600	1100				
415	380	400	350				
240		AWG 0...500	240 mm <sup>2</sup>				
8 kV / 3							
B15 / V-0							
				KEMA01ATEX2186U			
<b>Rated connection</b>		<b>Further connection</b>					
/ 70...240							
70...240 / 70...185							
25...30 Nm (M 10)							
40 / S8 (DIN 6911)							
/ 35...95							
50...95 / 35...50							
Copper straps can be used; see online catalogue for possible connections.							

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 240	2	<b>1802780000</b>
WDU 240 BL	2	<b>1822210000</b>
1000 VDC rated voltage tested.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQB 240/2	320 A	5	<b>1802790000</b>
WQB 240/3	320 A	5	<b>1802800000</b>
<b>WEW 35/1</b>			
		50	<b>1059000000</b>
<b>WZAD 240</b>			
		5	<b>1802810000</b>
<b>DEK 5/5 MC NE WS</b>			
		1000	<b>1609801044</b>
<b>WS 12/6.5 MC NE WS</b>			
		540	<b>1609920000</b>

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for the additional conductor „WZAD 120“, 1066100000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section „W series accessories“.

**WPE 50N**

**50 mm<sup>2</sup>**

Compact design



**WPE 70N/35**

**70 mm<sup>2</sup>**

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18.5 x 71 x 69.6	
<b>/ 70</b>	
<b>5.26...70</b>	

20.5 x 75 x 85	
<b>/ 95</b>	
<b>10...95</b>	

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm <sup>2</sup>
1000			
8			
	6000 A (50 mm <sup>2</sup> )		
	3		
	B10 / V-0		

CE

Rated connection	
10...16 / 10...70	
10...50 / 10...50	
4...6 Nm (M 6)	
3.0...4.0 Nm	
24 / S4 (DIN 6911)	

For 50 and 70 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
1000			
8			
	8400 A (70 mm <sup>2</sup> )		
	3		
	B11 / V-0		

CE

Rated connection	
10...16 / 10...95	
10...70 / 10...70	
8...12 Nm (M 8)	
2.0...4.0 Nm	
22 / S6 (DIN 6911)	

For 50 - 95 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Ordering data**

Version	green/yellow
Note	

Type	Qty.	Order No.
WPE 50N	10	<b>1846040000</b>

Type	Qty.	Order No.
WPE 70N/35	10	<b>9512200000</b>

**Accessories**

PEN bridge	
End bracket	dark beige
Identification systems	

Type	current	Qty.	Order No.
WQV PEN 50N	150 A	5	<b>9201610000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Type	current	Qty.	Order No.
WQV 70N-PEN	192 A	5	<b>9525840000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

For detailed information on other accessories and application in the online catalogue

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

**WPE 95N/120N**

**95 mm<sup>2</sup>**

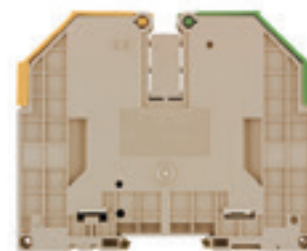
Compact design



**WPE 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27 x 91 x 90	
/ 150	
16...150	

27 x 132 x 107	
/ 120	
13.3...120	

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 4...0	AWG 4...0	120 mm <sup>2</sup>
1000			
8			
11400 A (95 mm <sup>2</sup> )			
3			
B13 / V-0			

CE

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
1000			
8			
11400 A (95 mm <sup>2</sup> )			
3			
B12 / V-0			

CE

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Tightening torque range for fixing screw	
Stripping length / Blade size	mm/-

<b>Rated connection</b>			
16...16 / 16...150			
16...120 / 16...95			
16...20 Nm (M 10)			
3.0...4.0 Nm			
27 / S6 (DIN 6911)			

<b>Rated connection</b>			
16...16 / 16...120			
16...95 / 16...95			
6...12 Nm (M 8)			
3.0...6.0 Nm			
30 / S6 (DIN 6911)			

**Note**

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

For 50 - 120 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
WPE 95N/120N	5	1846030000

Type	Qty.	Order No.
WPE 70/95	10	1037300000

**Accessories**

<b>PEN bridge</b>	
<b>End bracket</b>	dark beige
<b>Identification systems</b>	

Type	current	Qty.	Order No.
WQV PEN 95N/120N		5	9201630000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 70/95-PEN	192 A	5	1072300000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

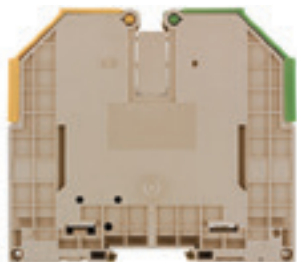
Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

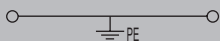
WPE 120/150

120 mm<sup>2</sup>

Conductor can be inserted from above / leaf spring



32 x 132 x 117  
/ 150  
33.62...150



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
120	AWG 2...250	AWG 2...250	120 mm <sup>2</sup>
1000			
8			
	14400 A (120 mm <sup>2</sup> )		
	3		
	B13 / V-0		

CE

**Rated connection**

/ 35...150  
35...150 / 35...95  
10...20 Nm (M 10)  
3.0...6.0 Nm  
35 / S6 (DIN 6911)

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 120/150	10	1019700000

Type	current	Qty.	Order No.
WQV 120-PEN	269 A	5	1072400000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support for protective-insulated installation of mounting rail „SH 2“, order no. 0494920000 (QTY 10).

**Power feed-in  
Screw connection**

**B**

**WPD 106**

Phase distributor block



**WPD 107**

Phase distributor block



Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

41 / 50.4 / 74.5
690 V AC
1000 V DC
160 A
V-0

52.5 / 54.5 / 73
690 V AC
1000 V DC
232 A
V-0

**Technical data**

IEC 60947-7-1, UL 1059

IEC 60947-7-1, UL 1059

Inputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Ribbon cable	
Torque	
Clamping screw	
Stripping length	
Outputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Torque	
Clamping screw	
Stripping length	
Poles	
Note	

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		10...70mm <sup>2</sup>		
		10...70mm <sup>2</sup>		
		6...50mm <sup>2</sup>		
			15.5 x 5 mm	
		10Nm	2Nm	
		M 10 x 1	M 5 x 20	
		17mm	17mm	
top	mid./left	mid./mid.	mid./right	bottom
3				2
1.5...16mm <sup>2</sup>				2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>				2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>				1.5...16mm <sup>2</sup>
2Nm				2Nm
M 6 x 8				M 6 x 8
12mm				12mm
1				

top	mid./left	mid./mid.	mid./right	bottom
	1	1	1	
	4...35mm <sup>2</sup>	...95mm <sup>2</sup>	4...35mm <sup>2</sup>	
	4...35mm <sup>2</sup>	16...95mm <sup>2</sup>	4...35mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>	10...70mm <sup>2</sup>	2.5...25mm <sup>2</sup>	
	3.5Nm	14Nm	3.5Nm	
	M 8	M 12	M 8	
	12mm	14mm	12mm	
top	mid./left	mid./mid.	mid./right	bottom
4				4
2.5...25mm <sup>2</sup>				2.5...25mm <sup>2</sup>
2.5...25mm <sup>2</sup>				2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>				1.5...16mm <sup>2</sup>
2.5Nm				2.5Nm
M 6				M 6
12mm				12mm
1				

**Ordering data**

Version
grey
Note

Type	Qty.	Order No.
WPD 106 1X70/2X25+3X16 GY	1	1562210000

Type	Qty.	Order No.
WPD 107 1X95/2X35+8X25 GY	1	1562220000

**Accessories**

Screwdriver
Standard
Identification systems
Marking tags
Crosshead screwdriver
Standard

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
ESG 9/17 K MC SDR		40	1674770000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
ESG 9/17 K MC SDR		40	1674770000
SDK P22		1	9008540000

For detailed information on other accessories and application in the online catalogue



WPD 108

Phase distributor block



52.5 / 67 / 94  
690 V AC  
1500 V DC  
250 A  
V-0

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		35...120mm <sup>2</sup>		
		35...120mm <sup>2</sup>		
		25...95mm <sup>2</sup>		
			24 x 10 mm	
		19Nm	3Nm	
		M 14 x 1	M 6 x 30	
		27mm	22mm	
top	mid./left	mid./mid.	mid./right	bottom
3		4		2
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

Type	Qty.	Order No.
WPD 108 1X120/2X35+3X25+4X16 GY	1	1562100000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
ESG 9/17 K MC SDR		40	1674770000

WPD 109

Phase distributor block



52.6 / 67 / 94  
690 V AC  
1500 V DC  
353 A  
V-0

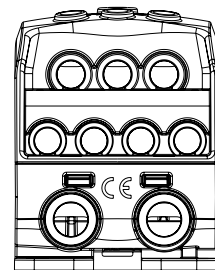
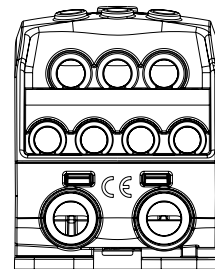
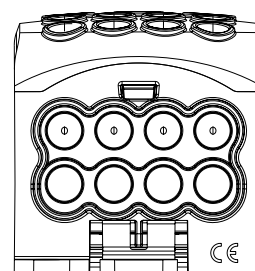
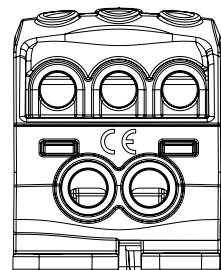
IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		95...185mm <sup>2</sup>		
		70...185mm <sup>2</sup>		
		70...150mm <sup>2</sup>		
			24 x 10 mm	
		19Nm	3Nm	
		M 14 x 1	M 6 x 30	
		27mm	22mm	
top	mid./left	mid./mid.	mid./right	bottom
3		4		2
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

Type	Qty.	Order No.
WPD 109 1X185/2X35+3X25+4X16 GY	1	1562090000

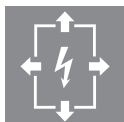
Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
ESG 9/17 K MC SDR		40	1674770000



## The secure and efficient way of distributing power

### Klippon® Connect provides the required flexibility

## B



Safe power supply to equipment such as motors is decisive for the availability of plants and machines. The use of increasingly large wire cross-sections and restricted space in the panel is increasing the demands on terminal blocks and distribution blocks and posing new challenges for panel planners. Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.

#### Our promise

Rapid installation and flexible combination options with Klippon® Connect, for simple, space-saving installation and increased productivity in the construction of switchgear and panel. This makes the design of your power distribution system noticeably more efficient.



**Space saving**

- Space-saving format and variety of functions in a single design
- Flexible expansion thanks to series arrangement and cross connection

**Time saving**

- Compatible with TS 35 terminal rail
- Optimised design for simple handling and fast installation, even under challenging conditions

**Safety**

- Safe conductor connection supported by step design
- Finger safety guaranteed in accordance with EN 50274
- Short-circuit resistance to highest SCCR standard

**Flexibility**

- Range of possible combinations for each requirement
- Can be used around the world thanks to international approvals

**Our range****More space, more options – even for aluminium wires:**

The slim design of our WPD X01–X03 main line branch terminals saves a great deal of space. With certification for aluminium conductors according to IEC 61238 “Class A” and a permissible voltage of 1,000 V DC, they meet all the requirements of complex applications.

**All-rounder for a better overview:**

Our WPD X00 & X04-X09 distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.

**Power distribution**  
**Screw connection**

**B**

**WPD 101**

**Main line branch terminals**



**WPD 301**

**Main line branch terminals**



Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

17.8 / 49.3 / 55.7
1000 V AC
1000 V DC
152 A
V-0

53.4 / 49.3 / 55.7
1000 V AC
1000 V DC
152 A
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

**Technical data**

<b>Inputs</b>	
Number of connections	1
Solid	2.5...25mm <sup>2</sup>
Stranded	2.5...25mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Ribbon cable	
Torque	2.5Nm
Clamping screw	M 6
Stripping length	19mm
<b>Outputs</b>	
Number of connections	1
Solid	2.5...25mm <sup>2</sup>
Stranded	2.5...25mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Torque	2.5Nm
Clamping screw	M 6
Stripping length	19mm
Poles	
1	
<b>Note</b>	
Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm	

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
Poles				
1				
<b>Note</b>				
Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm				

top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
Poles				
3				
<b>Note</b>				
Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm				

**Ordering data**

<b>Version</b>	
	grey
	blue
	brown
	green
	black
<b>Note</b>	

Type	Qty.	Order No.
WPD 101 2X25/2X16 GY	5	1560730000
WPD 101 2X25/2X16 BL	5	1560670000
WPD 101 2X25/2X16 BN	5	1561120000
WPD 101 2X25/2X16 GN	5	1560650000
WPD 101 2X25/2X16 BK	5	1561100000

Type	Qty.	Order No.
WPD 301 2X25/2X16 3XGY	2	1561130000

**Accessories**

<b>Crosshead screwdriver</b>	
Standard	
<b>Identification systems</b>	
Marking tags	

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
SFX 10/23 MC NE WS V2		160	1852390000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
SFX 10/23 MC NE WS V2		160	1852390000

For detailed information on other accessories and application in the online catalogue

### WPD 401

#### Main line branch terminals



81.5 / 49.3 / 55.7  
1000 V AC  
1000 V DC  
152 A  
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
	4		4	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
	4		4	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

4

Aluminium conductor 16 mm<sup>2</sup> = 4.0 Nm; 25 mm<sup>2</sup> = 4.0 Nm

Type	Qty.	Order No.
WPD 401 2X25/2X16 4XGY	1	1561800000
WPD 401 2X25/2X16 3XGY/1XBL	1	1562130000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
SFX 10/23 MC NE WS V2		160	1852390000

### WPD 501

#### Main line branch terminals



88.8 / 49.3 / 55.7  
1000 V AC  
1000 V DC  
152 A  
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

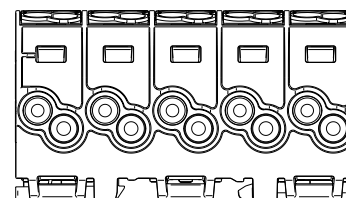
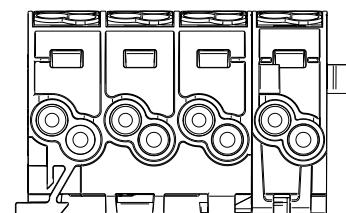
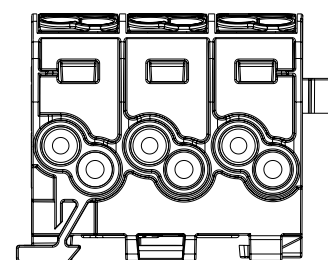
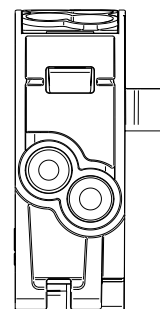
top	mid./left	mid./mid.	mid./right	bottom
	5		5	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
	5		5	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

5

Aluminium conductor 16 mm<sup>2</sup> = 4.0 Nm; 25 mm<sup>2</sup> = 4.0 Nm

Type	Qty.	Order No.
WPD 501 2X25/2X16 5XGY	1	1561750000
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	1562140000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
SFX 10/23 MC NE WS V2		160	1852390000



**Power distribution**  
**Screw connection**

**B**

**WPD 102**

Main line branch terminals



Width/Depth/Height	22.2 / 49.3 / 55.4
Rated AC voltage	1000 V AC
Rated DC voltage	1000 V DC
Rated current	202 A
UL 94 flammability rating	V-0

Width/Depth/Height	22.2 / 49.3 / 55.4
Rated AC voltage	1000 V AC
Rated DC voltage	1000 V DC
Rated current	202 A
UL 94 flammability rating	V-0

**Technical data**

Inputs	
Number of connections	1
Solid	4...35mm <sup>2</sup>
Stranded	4...35mm <sup>2</sup>
Flexible with ferrule	2.5...25mm <sup>2</sup>
Ribbon cable	
Torque	3.5Nm
Clamping screw	M 8
Stripping length	22mm
Outputs	
Number of connections	1
Solid	4...35mm <sup>2</sup>
Stranded	4...35mm <sup>2</sup>
Flexible with ferrule	2.5...25mm <sup>2</sup>
Torque	3.5Nm
Clamping screw	M 8
Stripping length	22mm
Poles	1
Note	Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm; 35 mm <sup>2</sup> = 8.0 Nm

IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
Poles	1			
Note	Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm; 35 mm <sup>2</sup> = 8.0 Nm			

**Ordering data**

Version	Type	Qty.	Order No.
grey	WPD 102 2X35/2X25 GY	5	1561680000
blue	WPD 102 2X35/2X25 BL	5	1561640000
brown	WPD 102 2X35/2X25 BN	5	1561650000
green	WPD 102 2X35/2X25 GN	5	1561670000
black	WPD 102 2X35/2X25 BK	5	1561630000
Note			

Type	current	Qty.	Order No.
WPD 102 2X35/2X25 GY		5	1561680000
WPD 102 2X35/2X25 BL		5	1561640000
WPD 102 2X35/2X25 BN		5	1561650000
WPD 102 2X35/2X25 GN		5	1561670000
WPD 102 2X35/2X25 BK		5	1561630000
Note			

**Accessories**

Crosshead screwdriver	Type	current	Qty.	Order No.
Standard	SDK PZ2		1	9008540000
Identification systems	HSS 1/2 4.8-11.4/50Y		500	1962120000
Marking tags				

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
HSS 1/2 4.8-11.4/50Y		500	1962120000

For detailed information on other accessories and application in the online catalogue

**WPD 202**

Main line branch terminals



Width/Depth/Height	44.4 / 49.3 / 55.4
Rated AC voltage	1000 V AC
Rated DC voltage	1000 V DC
Rated current	202 A
UL 94 flammability rating	V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
	2		2	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
top	mid./left	mid./mid.	mid./right	bottom
	2		2	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
Poles	1			
Note	Aluminium conductor 16 mm <sup>2</sup> = 4.0 Nm; 25 mm <sup>2</sup> = 4.0 Nm; 35 mm <sup>2</sup> = 8.0 Nm			

Type	current	Qty.	Order No.
WPD 202 4x35/4x25 GY		2	1561730000
WPD 202 4x35/4x25 BL		2	1561700000
WPD 202 4x35/4x25 BN		2	1561720000
WPD 202 4x35/4x25 GN		2	1561620000
WPD 202 4x35/4x25 BK		2	1561690000
Note			

Type	current	Qty.	Order No.
WPD 202 4x35/4x25 GY		2	1561730000
WPD 202 4x35/4x25 BL		2	1561700000
WPD 202 4x35/4x25 BN		2	1561720000
WPD 202 4x35/4x25 GN		2	1561620000
WPD 202 4x35/4x25 BK		2	1561690000
Note			

### WPD 302

#### Main line branch terminals



66.6 / 49.3 / 55.4  
1000 V AC  
1000 V DC  
202 A  
V-0

IEC 60947-7-1, IEC 61238-1, VDE  
0603-2

top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8			
	22mm		18mm	
top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8			
	22mm		18mm	

3

Aluminium conductor 16 mm<sup>2</sup> = 4.0 Nm; 25 mm<sup>2</sup> = 4.0 Nm; 35 mm<sup>2</sup> = 8.0 Nm

Type	Qty.	Order No.
WPD 302 2X35/2X25 3XGY	2	1561740000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
HSS 1/2 4.8-11.4/50Y		500	1962120000

### WPD 103

#### Main line branch terminals



32.9 / 53.1 / 63  
1000 V AC  
1000 V DC  
300 A  
V-0

IEC 60947-7-1, IEC 61238-1, VDE  
0603-2

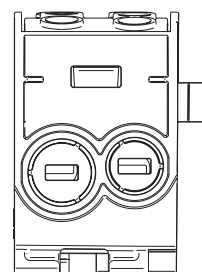
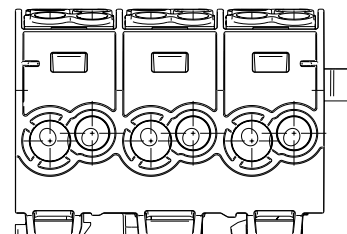
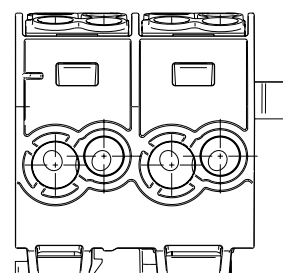
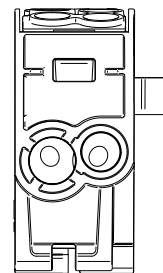
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm <sup>2</sup>		6...50mm <sup>2</sup>	
	10...70mm <sup>2</sup>		6...50mm <sup>2</sup>	
	6...50mm <sup>2</sup>		4...35mm <sup>2</sup>	
	10Nm		6Nm	
	M 10		M 8	
	25mm		20mm	
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm <sup>2</sup>		6...50mm <sup>2</sup>	
	10...70mm <sup>2</sup>		6...50mm <sup>2</sup>	
	6...50mm <sup>2</sup>		4...35mm <sup>2</sup>	
	10Nm		6Nm	
			M 8	
	25mm		20mm	

1

Aluminium conductor 16 mm<sup>2</sup> = 4.0 Nm; 25 mm<sup>2</sup> = 4.0 Nm; 35 mm<sup>2</sup> = 8.0 Nm;  
50 mm<sup>2</sup> = 10.0 Nm; 70 mm<sup>2</sup> = 18.0 Nm

Type	Qty.	Order No.
WPD 103 2X70/2X50 GY	3	1561770000
WPD 103 2X70/2X50 BL	3	1561780000
WPD 103 2X70/2X50 BN	3	1561820000
WPD 103 2X70/2X50 GN	3	1561790000
WPD 103 2X70/2X50 BK	3	1561830000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
SFX 30/60 MC NE WS		30	1083230000
SFX 11/60 MC NE WS		60	1860120000



**Power distribution**  
**Screw connection**

**B**

**WPD 100**

Sub-distributor block



**WPD 104**

Phase distributor block



Width/Depth/Height	30.2 / 49 / 55.4
Rated AC voltage	690 V AC
Rated DC voltage	690 V DC
Rated current	100 A
UL 94 flammability rating	V-0

Width/Depth/Height	30.2 / 49 / 55.4
Rated AC voltage	690 V AC
Rated DC voltage	690 V DC
Rated current	100 A
UL 94 flammability rating	V-0

Width/Depth/Height	33.3 / 49 / 68
Rated AC voltage	690 V AC
Rated DC voltage	1000 V DC
Rated current	101 A
UL 94 flammability rating	V-0

**Technical data**

Inputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Ribbon cable	
Torque	
Clamping screw	
Stripping length	
Outputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Torque	
Clamping screw	
Stripping length	
Poles	
Note	

IEC 60998-2-1

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3Nm		3Nm	
	M 6		M 6	
	17mm		17mm	
top	mid./left	mid./mid.	mid./right	bottom
3				3
1.5...10mm <sup>2</sup>				1.5...10mm <sup>2</sup>
1.5...10mm <sup>2</sup>				1.5...10mm <sup>2</sup>
1.5...6mm <sup>2</sup>				1.5...6mm <sup>2</sup>
2Nm				2Nm
M 5				M 5
9mm				9mm
Poles	1			
Note				

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
3				2
1.5...10mm <sup>2</sup>				1.5...16mm <sup>2</sup>
1.5...10mm <sup>2</sup>				1.5...16mm <sup>2</sup>
1.5...6mm <sup>2</sup>				1.5...16mm <sup>2</sup>
2Nm				2.5Nm
M 5				M 6
12mm				14mm
Poles	1			
Note				

**Ordering data**

Version	
	grey
	blue
	green
Note	

Type	Qty.	Order No.
WPD 100 2X25/6X10 GY	3	1561910000
WPD 100 2X25/6X10 BL	3	1561920000
WPD 100 2X25/6X10 GN	3	1561930000
Note		

Type	Qty.	Order No.
WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000
Note		

**Accessories**

Cross-connection
Crosshead screwdriver
Standard
Identification systems
Marking tags

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR		40	1674770000

Type	current	Qty.	Order No.
WQB WPD X04/2		20	1561980000
WQB WPD X04/3		20	1561990000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR		40	1674770000

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue



WPD 204

Phase distributor block



64.5 / 49 / 68  
690 V AC  
1000 V DC  
101 A  
V-0

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
2				
2.5...25mm <sup>2</sup>				
2.5...25mm <sup>2</sup>				
1.5...16mm <sup>2</sup>				
M 6				
19mm				
top	mid./left	mid./mid.	mid./right	bottom
6		4		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...6mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
2Nm		2.5Nm		
M 5		M 6		
12mm		14mm		
2				

Type	Qty.	Order No.
WPD 204 2X25/4X16+6X10 2XGY	1	1562150000

Type	current	Qty.	Order No.
WQB WPD X04/2		20	1561980000
WQB WPD X04/3		20	1561990000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR	40		1674770000

WPD 304

Phase distributor block



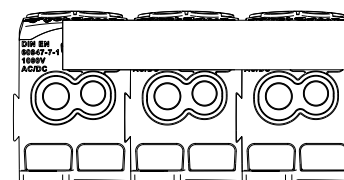
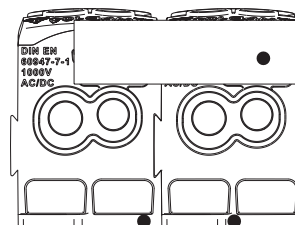
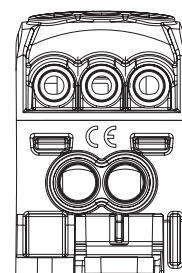
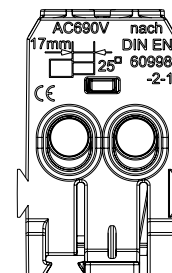
96 / 49 / 68  
690 V AC  
1000 V DC  
101 A  
V-0

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
3				
2.5...25mm <sup>2</sup>				
2.5...25mm <sup>2</sup>				
1.5...16mm <sup>2</sup>				
M 6				
19mm				
top	mid./left	mid./mid.	mid./right	bottom
9		6		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...6mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
2Nm		2.5Nm		
M 5		M 6		
12mm		14mm		
3				

Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XGY	1	1562160000

Type	current	Qty.	Order No.
WQB WPD X04/2		20	1561980000
WQB WPD X04/3		20	1561990000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR	40		1674770000



**Power distribution**  
**Screw connection**

**B**

**WPD 105**

Phase distributor block



**WPD 205**

Phase distributor block



Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

37.1 / 53.7 / 70
690 V AC
1000 V DC
125 A
V-0

72.7 / 53.7 / 70
690 V AC
1000 V DC
125 A
V-0

**Technical data**

IEC 60947-7-1, UL 1059

IEC 60947-7-1, UL 1059

Inputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Ribbon cable	
Torque	
Clamping screw	
Stripping length	
Outputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Torque	
Clamping screw	
Stripping length	
Poles	
Note	

top	mid./left	mid./mid.	mid./right	bottom
1			1	
4...35mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
4...35mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			1.5...10mm <sup>2</sup>	
3.5Nm			2.5Nm	
M 8			M 6	
19mm			19mm	
top	mid./left	mid./mid.	mid./right	bottom
3			2	
1.5...16mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6			M 6	
12mm			14mm	
1				

top	mid./left	mid./mid.	mid./right	bottom
2				
4...35mm <sup>2</sup>				
4...35mm <sup>2</sup>				
2.5...25mm <sup>2</sup>				
M 8				
19mm				
top	mid./left	mid./mid.	mid./right	bottom
6			4	
1.5...16mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6				
12mm			14mm	
2				

**Ordering data**

Version
grey
Note

Type	Qty.	Order No.
WPD 105 1x35+1x16/2x25+3x16 GY	1	1562170000

Type	Qty.	Order No.
WPD 205 2X35/4X25+6X16 2XGY	1	1562180000

**Accessories**

Cross-connection
Crosshead screwdriver
Standard
Identification systems
Marking tags

Type	current	Qty.	Order No.
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR		40	1674770000

Type	current	Qty.	Order No.
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR		40	1674770000

For detailed information on other accessories and application in the online catalogue

## WPD 305

Phase distributor block



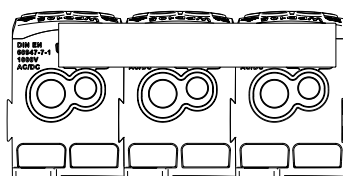
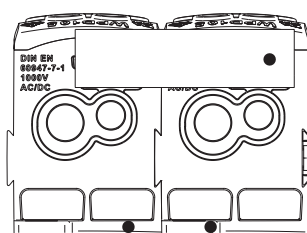
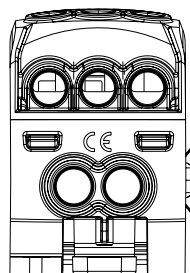
108.3 / 53.7 / 70  
690 V AC  
1000 V DC  
125 A  
V-0

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	3			
	4...35mm <sup>2</sup>			
	4...35mm <sup>2</sup>			
	2.5...25mm <sup>2</sup>			
	M 8			
	19mm			
top	mid./left	mid./mid.	mid./right	bottom
9				6
1.5...16mm <sup>2</sup>				2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>				2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>				1.5...16mm <sup>2</sup>
2.5Nm				2.5Nm
M 6				
12mm				14mm
3				

Type	Qty.	Order No.
WPD 305 3X35/6X25+9X16 3XGY	1	1562190000

Type	current	Qty.	Order No.
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
SDK PZ2		1	9008540000
ESG 9/17 K MC SDR		40	1674770000

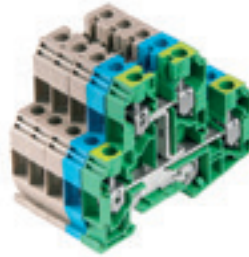


**Power distribution**  
**Screw connection**

**B**

**WDK 10 SET LS**

**10 mm<sup>2</sup>**



49.5 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

**WDK 10 SET BCD**

**10 mm<sup>2</sup>**



29.7 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm (M 4)			
12 / 1.0 x 5.5 mm			
Note			

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm (M 4)			
12 / 1.0 x 5.5 mm			
Note			

**Ordering data**

Version	dark beige / green / yellow
Note	

Type	Qty.	Order No.
WDK 10 SET LS	1	1415530000
Note		

Type	Qty.	Order No.
WDK 10 SET BCD	1	1415540000
Note		

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Screwdriver	
	Standard
Cover	
	Blank, white
	Blank, yellow
Identification systems	

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section „W series accessories“.

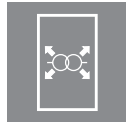
Cross-connections, see section „W series accessories“.



## Safe supply to equipment in the panel

### Klippon® Connect for optimum control voltage distribution

#### B



For power supplies to equipment in the panel, there is an increased risk of incorrect connections because of the large number of conductors. Our tailored AAP potential distribution terminal blocks and the maxGUARD modular system with built-in electronic load monitoring offer ideal solutions for surge current protection and clear, structured power distribution within control voltage circuits. The considerable space saving and reduced wiring means you can guarantee supply to your panel equipment simply and effectively.

#### **Our promise**

For complex wiring projects in confined spaces, we offer a future-oriented strategy for central potential distribution with direct wiring option for all the device's plus and minus potentials. This means that Klippon® Connect makes planning and implementing your control voltage distribution system considerably more productive.

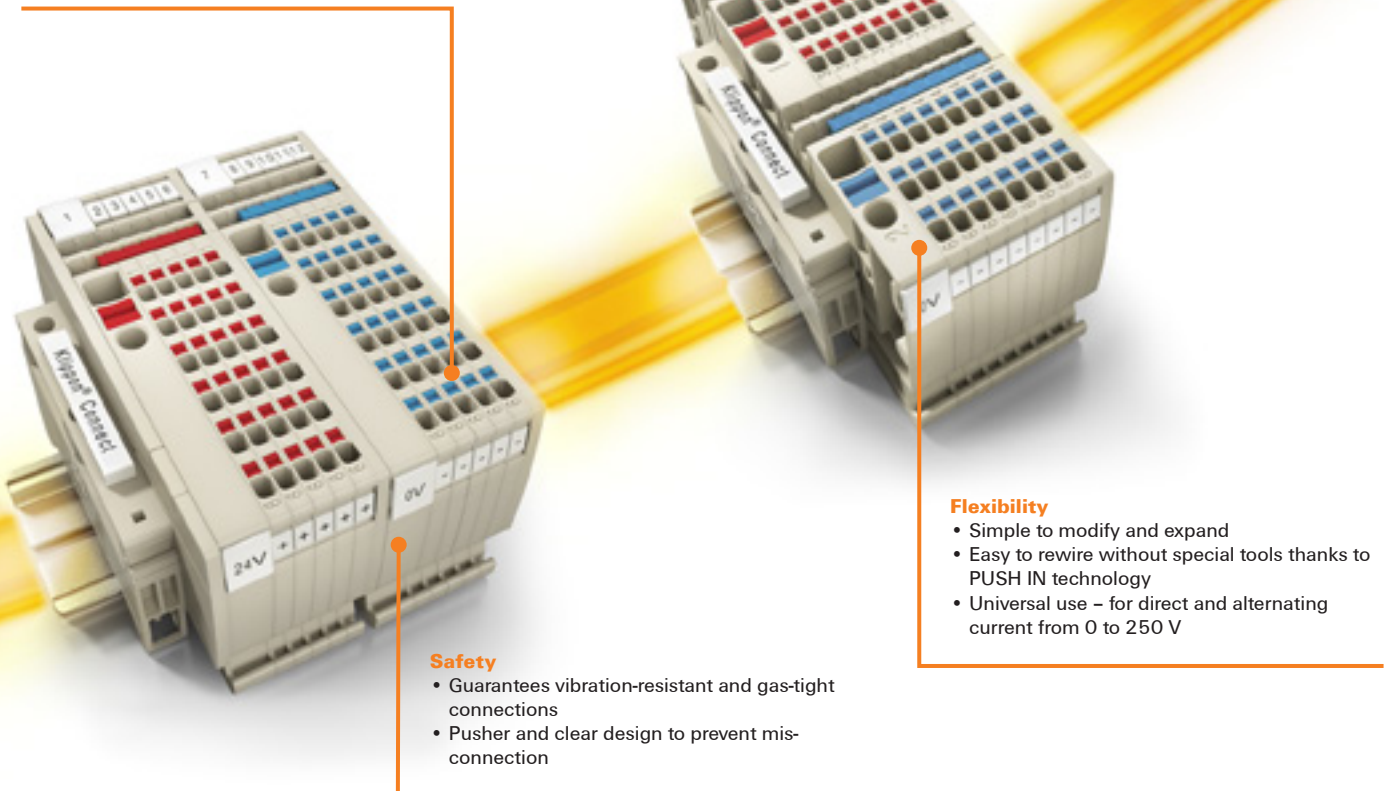


**Space saving**

- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads

**Time saving**

- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator

**Safety**

- Guarantees vibration-resistant and gas-tight connections
- Pusher and clear design to prevent mis-connection

**Flexibility**

- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

**Our range****Combined load monitoring and potential distribution:**

maxGUARD is our unique modular system for control voltage distribution. The consistent design of the electronic load monitoring and potential distribution terminal blocks plus the simple cross-connection options save time and money and prevent mis-connections.

**Simpler customised solutions:**

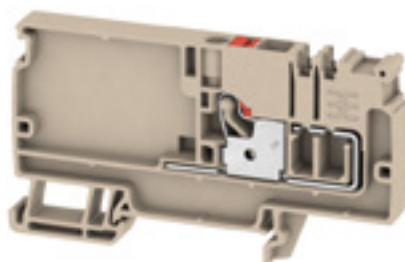
Our assembly service for standard blocks and completed control voltage distribution systems guarantees ease of ordering and production optimisation. We create a perfect-fit solution for all of your requirements.

## Control voltage distribution PUSH IN connection

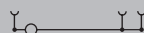
Potential distribution with separate fusing

### AAP11 6 LO

6 mm<sup>2</sup>

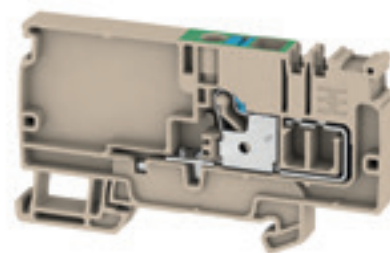


8.1 x 85.5 x 48  
**41 / 6**  
**0.5...6**

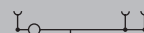


### AAP11 6 FE

6 mm<sup>2</sup>



8.1 x 85.5 x 48  
**41 / 6**  
**0.5...6**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	Note
beige Wemid / red pusher	
beige Wemid / blue pusher	
beige Wemid / red and blue pushers	

#### Accessories

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
2-pole / blue	
10-pole/ blue	
End plate / Partition plate	
End bracket	
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

Type	Qty.	Order No.
AAP11 6 LO RD	20	<b>1989780000</b>
AAP11 6 LO BL	20	<b>1988130000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP AP11		20	<b>1988320000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

Type	Qty.	Order No.
AAP11 6 FE	20	<b>1988140000</b>

FE = functional earth, contact to DIN rail.

Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP AP11		20	<b>1988320000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>

For detailed information on other accessories and application in the online catalogue

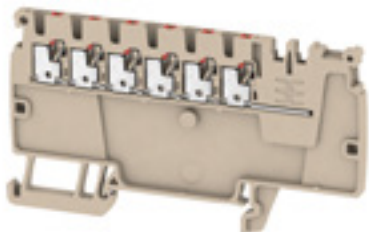
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



AAP11 1.5 LI

1.5 mm<sup>2</sup>



3.5 x 85.5 x 48  
17.5 / 1.5  
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
		6 kV / 3	
		A1 / V-0	

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

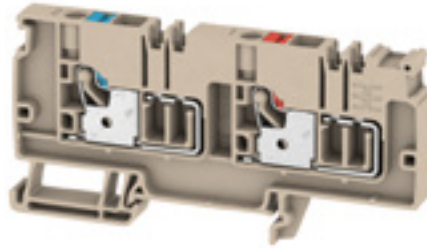
All MultiMark variants (MM) = strip markers

**Control voltage distribution  
PUSH IN connection**

Potential distribution with separate fusing

**AAP13 6 LO-LO**

**6 mm<sup>2</sup>**

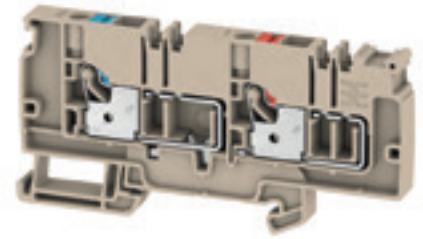


8.1 x 96 x 48  
**41 / 6**  
**0.5...6**



**AAP13 6 FE-LO**

**6 mm<sup>2</sup>**



8.1 x 96 x 48  
**41 / 6**  
**0.5...6**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
250			
41			
6			
		4 kV / 3	
		A5 / V-0	
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

IEC	UL	CSA	EN 60079-7
250			
41			
6			
		4 kV / 3	
		A5 / V-0	
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

**Ordering data**

Version
beige Wemid / red pusher
beige Wemid / blue pusher
beige Wemid / red and blue pushers
Note

Type	Qty.	Order No.
AAP13 6 LO-LO	20	<b>1988260000</b>

Type	Qty.	Order No.
AAP13 6 FE-LO	20	<b>1988270000</b>
FE = functional earth, contact to DIN rail.		

**Accessories**

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
2-pole / blue	
10-pole/ blue	
End plate / Partition plate	
End bracket	
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP AP13		20	<b>1990140000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP AP13		20	<b>1990140000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>

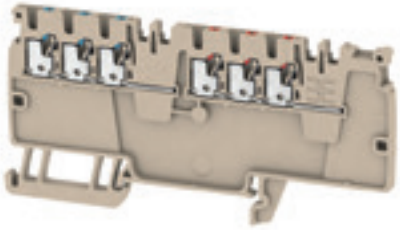
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP13 1.5 LI-LI

1.5 mm<sup>2</sup>



3.5 x 96 x 48  
17.5 / 1.5  
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
250			
17.5			
1.5			
		4 kV / 3	
		A1 / V-0	

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP13 1.5 LI-LI	50	1988280000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP13		20	1990140000
AEB 35 SC/1		50	1991920000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

All MultiMark variants (MM) = strip markers

**Control voltage distribution**  
**PUSH IN connection**

Potential distribution with separate fusing

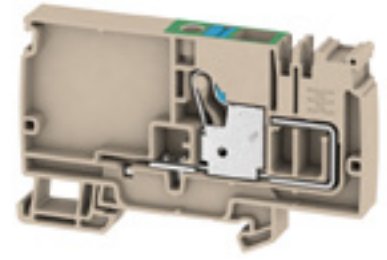
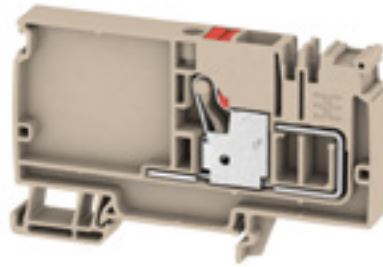
**B**

**AAP12 10 LO**

**10 mm<sup>2</sup>**

**AAP12 10 FE**

**10 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 89 x 54	
<b>57 / 10</b>	
<b>0.5...10</b>	

10 x 89 x 54	
<b>57 / 10</b>	
<b>0.5...10</b>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	8 kV / 3		
	A6 / V-0		
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Approval in progress			

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	8 kV / 3		
	A6 / V-0		
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Approval in progress			

**Ordering data**

Version	
	beige Wemid / red pusher
	beige Wemid / blue pusher
	beige Wemid / red and blue pushers
Note	

Type	Qty.	Order No.
AAP12 10 LO RD	20	<b>1988190000</b>
AAP12 10 LO BL	20	<b>1988180000</b>
Note		

Type	Qty.	Order No.
AAP12 10 FE	20	<b>1988200000</b>
Note		
FE = functional earth, contact to DIN rail.		

**Accessories**

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP12		20	<b>1988300000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
WS 7.8/9.2 PLUS MC NE GR		360	<b>1208970000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP12		20	<b>1988300000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
WS 7.8/9.2 PLUS MC NE GR		360	<b>1208970000</b>

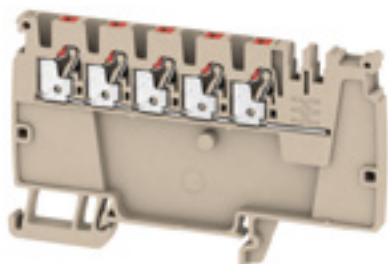
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP12 2.5 LI

2.5 mm<sup>2</sup>



5.1 x 89 x 54  
24 / 2.5  
0.5...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
		8 kV / 3	
		A3 / V-0	

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP12 2.5 LI RD	50	1988290000
AAP12 2.5 LI BL	50	1988100000

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers

**Control voltage distribution**  
**PUSH IN connection**

Potential distribution with separate fusing

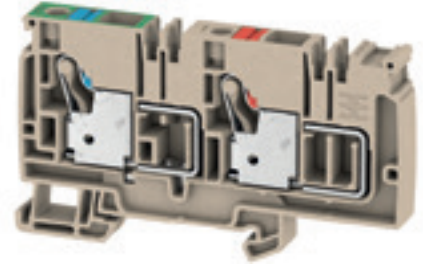
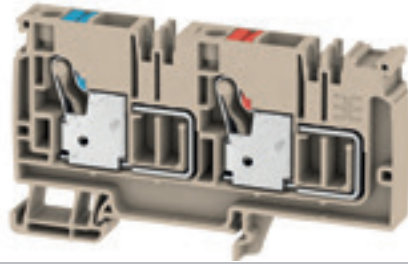
**B**

**AAP14 10 LO-LO**

**10 mm<sup>2</sup>**

**AAP14 10 FE-LO**

**10 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 94 x 54	
<b>57 / 10</b>	
<b>0.5...10</b>	

10 x 94 x 54	
<b>57 / 10</b>	
<b>0.5...10</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
57			
10			
		6 kV / 3	
		A6 / V-0	
<b>Rated connection</b>			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Approval in progress			

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
57			
10			
		6 kV / 3	
		A6 / V-0	
<b>Rated connection</b>			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Approval in progress			

**Ordering data**

<b>Version</b>	
	beige Wemid / red pusher beige Wemid / blue pusher beige Wemid / red and blue pushers
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AAP14 10 LO-LO	20	<b>1988250000</b>

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AAP14 10 FE-LO	20	<b>1988240000</b>
FE = functional earth, contact to DIN rail.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole/ red 10-pole / red 2-pole / blue 10-pole/ blue
<b>End plate / Partition plate</b>	
<b>End bracket</b>	dark beige
<b>Test plug</b>	
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP14		20	<b>1988340000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
WS 7.8/9.2 PLUS MC NE GR		360	<b>1208970000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP14		20	<b>1988340000</b>
AEB 35 SC/1		50	<b>1991920000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
WS 7.8/9.2 PLUS MC NE GR		360	<b>1208970000</b>

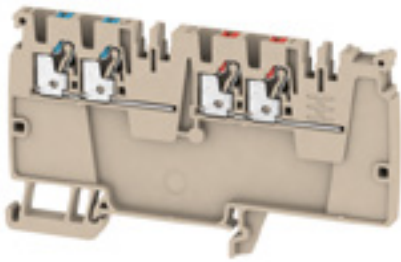
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

**AAP14 2.5 LI-LI**

**2.5 mm<sup>2</sup>**



5.1 x 94 x 54  
24 / 2.5  
0.5...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500			
24			
2.5			
		6 kV / 3	
		A3 / V-0	

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP14 2.5 LI-LI	50	1988230000

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP14		20	1988340000
AEB 35 SC/1		50	1991920000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

All MultiMark variants (MM) = strip markers





### maxGUARD – feed-in module

Potential distribution with integrated electronic load monitoring

### Technical data

Input	
Input fuse (internal)	
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle)	15 mA
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
Output	
Connection system [Output]	PUSH IN
Surge protection	Yes
General data	
Protection degree	IP20
Control inputs	ON/ OFF
Overtoltage category	III
Signalling	
LED yellow	External reset is signalled, Alarm is signalled
LED green	Operating voltage OK
LED red	Alarm
Transistor output, positive-switching	Alarm
Connection data	
Number of terminals	2 (+,-)
Wire cross-section, AWG/kcmil min/max	18..6
Wire cross-section, flexible min/max	0.75...16 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.75...10 mm <sup>2</sup>
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE
Note	

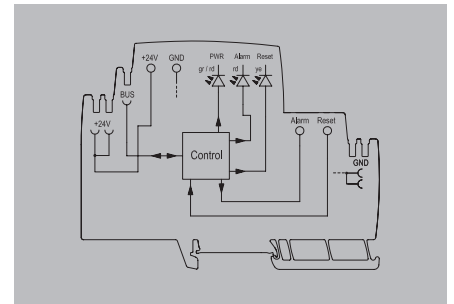
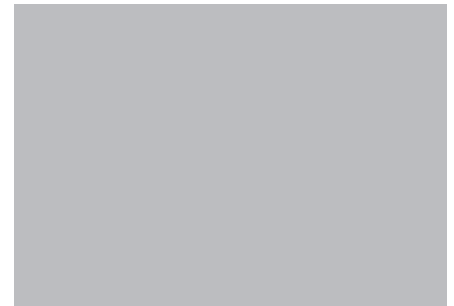
### Ordering data

Rated current	
Note	

### Accessories

Pluggable cross-connection	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole/ red	
2-pole / blue	
Note	

### AMG FIM-C



18 ... 31.2 V DC
24 V DC
15 mA
100 mVpp
Yes
PUSH IN
Yes
IP20
ON/ OFF
III
External reset is signalled, Alarm is signalled
Operating voltage OK
Alarm
Alarm
2 (+,-)
18..6
0.75...16 mm <sup>2</sup>
0.75...10 mm <sup>2</sup>
1.2 x 6.5
CE

Type	Qty.	Order No.
AMG FIM-C	1	2081880000

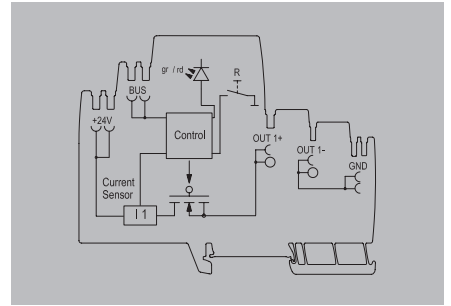
Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

## Control voltage distribution PUSH IN connection

### maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

### AMG ELM



## B

### Technical data

Input	
Input fuse (internal)	Yes
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle) / Current consumption (full load)	25 mA / I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
Output	
Connection system [Output]	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
Capacitive load	10,000 µF
Surge protection	Yes
Function button	
LED initial state	LED green, in operation
Pressing the button	> 0.1 to 2 s (manual disconnect)
LED, subsequent state	LED flashing red, load monitoring has triggered (disconnected)
Output, subsequent state	switched off
General data	
Relay to activate the output	No
Protection degree / Overvoltage category	IP20 / III
Signalling	
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Connection data	
Number of terminals [Output]	2 (+ / -)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE
Note	

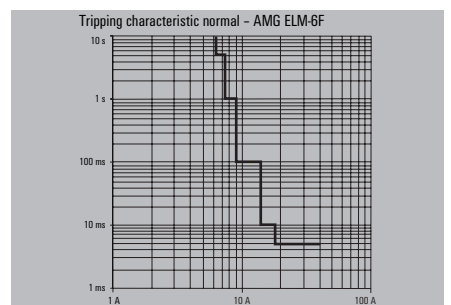
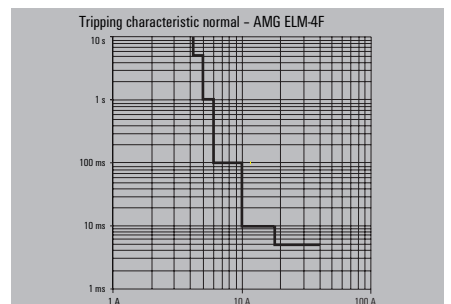
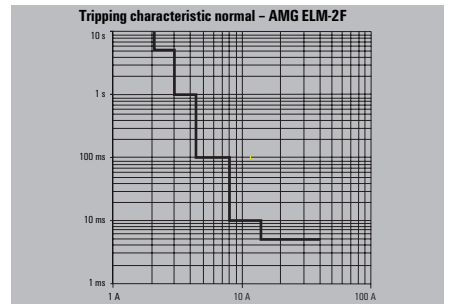
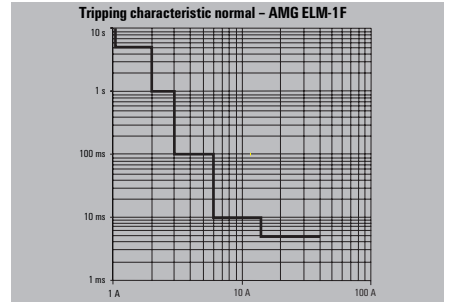
### Ordering data

Rated current	1.00 A
	2.00 A
	4.00 A
	6.00 A
Note	

### Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

Type	Qty.	Order No.
AMG ELM-1F	1	2080420000
AMG ELM-2F	1	2080480000
AMG ELM-4F	1	2080490000
AMG ELM-6F	1	2080500000



## maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

### Technical data

<b>Input</b>
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
<b>Output</b>
Connection system [Output]
Triggering characteristic
Switch-on delay
Capacitive load
Surge protection
<b>Function button</b>
LED initial state
Pressing the button
LED, subsequent state
Output, subsequent state
<b>General data</b>
Relay to activate the output
Protection degree
Overvoltage category
<b>Signalling</b>
LED green
LED red
<b>Connection data</b>
Number of terminals [Output]
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
<b>Approvals</b>
Approvals
<b>Note</b>

### Ordering data

<b>Rated current</b>	8.00 A
	10.00 A
<b>Note</b>	

### Accessories

<b>Note</b>
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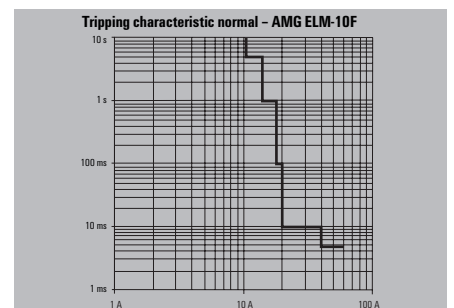
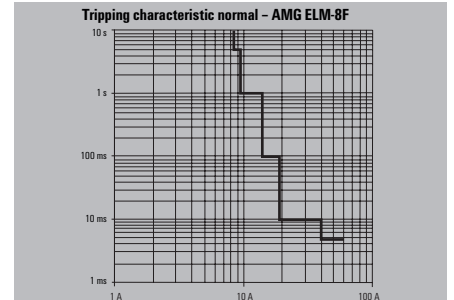
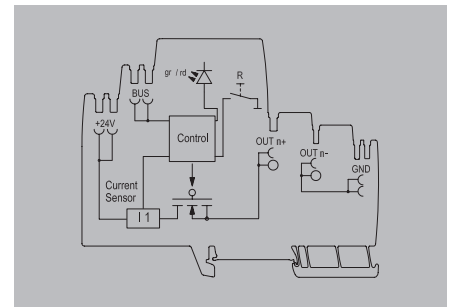
## AMG ELM



Yes		
18 ... 31.2 V DC		
24 V DC		
25 mA		
I <sub>OUT</sub> +30 mA		
100 mVpp		
Yes		
<b>PUSH IN</b>		
see characteristic curve		
1 s		
15,000 µF		
Yes		
LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on
No		
IP20		
III		
Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing) Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
4 (++ / -)		
26...12		
0.14...2.5 mm <sup>2</sup>		
0.14...2.5 mm <sup>2</sup>		
0.6 x 3.5		
CE		

Type	Qty.	Order No.
AMG ELM-8F	1	2080600000
AMG ELM-10F	1	2080650000

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000

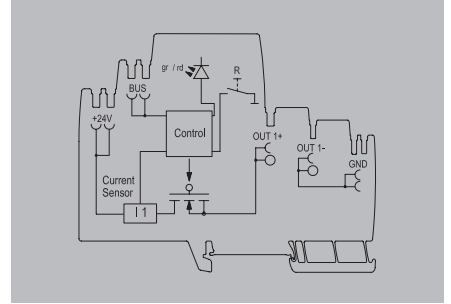


**Control voltage distribution  
PUSH IN connection**

**maxGUARD – Load monitoring**

Potential distribution with integrated electronic load monitoring

**AMG ELM-6**



**B**

**Technical data**

<b>Input</b>	
Input fuse (internal)	Yes
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
<b>Output</b>	
Connection system [Output]	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
Capacitive load	15,000 µF
adjustable rated current	adj.: 1-2-3-4-6 A
Surge protection	Yes
<b>Function button</b>	
LED initial state	LED green, in operation
Pressing the button	> 0.1 to 2 s (manual disconnect)
LED, subsequent state	LED flashing red, load monitoring has triggered (disconnected)
Output, subsequent state	LED red (permanently lit)
<b>General data</b>	
Relay to activate the output	No
Protection degree	IP20
Oversvoltage category	III
<b>Signalling</b>	
LED green	Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
<b>Connection data</b>	
Number of terminals [Output]	2 (+ / -)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
<b>Approvals</b>	
Approvals	CE
<b>Note</b>	

**Ordering data**

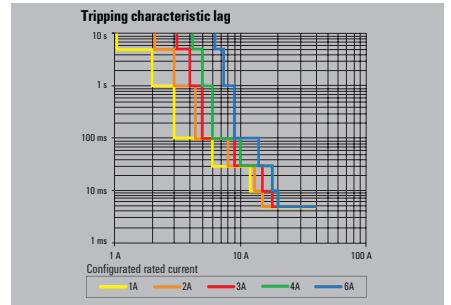
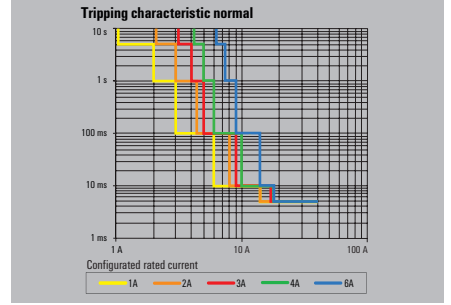
<b>Rated current</b>	6.00 A
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AMG ELM-6	1	2080360000

**Accessories**

<b>Note</b>	
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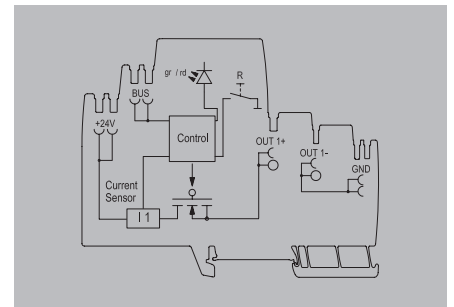
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000



## maxGUARD – Load monitoring

Potential distribution with integrated electronic load monitoring

## AMG ELM-12



### Technical data

Input	
Input fuse (internal)	
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
Output	
Connection system [Output]	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
adjustable rated current	adj.: 4-6-8-10-12 A
Capacitive load	20,000 µF
Surge protection	Yes
Function button	
LED initial state	LED green, in operation
	LED flashing red, load monitoring has triggered (disconnected)
	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)
	> 0.1 to 2 s (confirm and reset)
	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED switched off
Output, subsequent state	Red LED switched off
	LED green switched on
General data	
Relay to activate the output	No
Protection degree	IP20
Overtoltage category	III
Signalling	
LED green	
LED red	
Connection data	
Number of terminals [Output]	4 (++ / -)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE
Note	

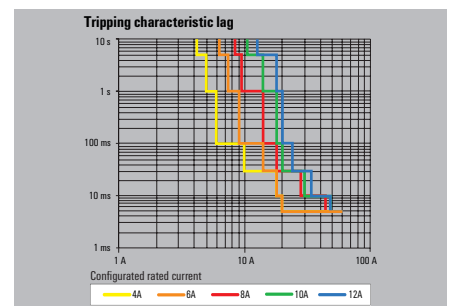
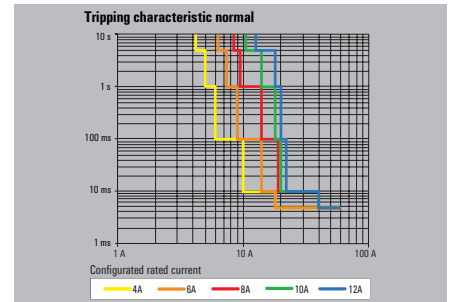
### Ordering data

Rated current	12.00 A
Note	

### Accessories

Type	Qty.	Order No.
AMG DIS	50	2123050000
AMG MD	20	2122930000
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG XMD	40	2122940000
Note		

Yes
18 ... 31.2 V DC
24 V DC
25 mA
I <sub>OUT</sub> +30 mA
100 mVpp
Yes
PUSH IN
see characteristic curve
1 s
adj.: 4-6-8-10-12 A
20,000 µF
Yes
LED green, in operation
LED flashing red, load monitoring has triggered (disconnected)
LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)
> 0.1 to 2 s (confirm and reset)
> 0.1 to 2 s (restart)
Red LED switched off
Red LED switched off
LED green switched on
No
IP20
III
Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing)
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
4 (++ / -)
26...12
0.14...2.5 mm <sup>2</sup>
0.14...2.5 mm <sup>2</sup>
0.6 x 3.5
CE

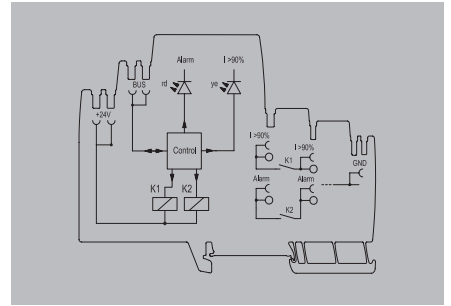


**Control voltage distribution  
PUSH IN connection**

**maxGUARD – Alarm module**

Potential distribution with integrated electronic load monitoring

**AMG AM**



**B**

**Technical data**

<b>Input</b>	
Input fuse (internal)	
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle)	20 mA
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
<b>Output</b>	
Connection system [Output]	PUSH IN
Triggering characteristic	
Switch-on delay	
Capacitive load	
Surge protection	Yes
<b>General data</b>	
Relay to activate the output	
Protection degree	IP20
Control inputs	
Overvoltage category	III
<b>Signalling</b>	
LED yellow	Current > 90% Inom (flashing)
LED red	Alarm
Floating contact	Yes
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
<b>Connection data</b>	
Number of terminals [Output]	4 (2 x NO)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
<b>Approvals</b>	
Approvals	CE
<b>Note</b>	

<b>Input</b>		
DC input voltage range	18 ... 31.2 V DC	
Rated input voltage	24 V DC	
Current consumption (idle)	20 mA	
Current consumption (full load)		
max. admissible residual ripple at the input	100 mVpp	
Surge protection	Yes	
<b>Output</b>		
Connection system [Output]	PUSH IN	
Triggering characteristic		
Switch-on delay		
Capacitive load		
Surge protection	Yes	
<b>General data</b>		
Relay to activate the output		
Protection degree	IP20	
Control inputs		
Overvoltage category	III	
<b>Signalling</b>		
LED yellow	Current > 90% Inom (flashing)	
LED red	Alarm	
Floating contact	Yes	
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)	
<b>Connection data</b>		
Number of terminals [Output]	4 (2 x NO)	
Wire cross-section, AWG/kcmil min/max	26...12	
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>	
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>	
Screwdriver blade	0.6 x 3.5	
<b>Approvals</b>		
Approvals	CE	
<b>Note</b>		

**Ordering data**

<b>Rated current</b>	
<b>Note</b>	

Type	Qty.	Order No.
AMG AM	1	2081890000

**Accessories**

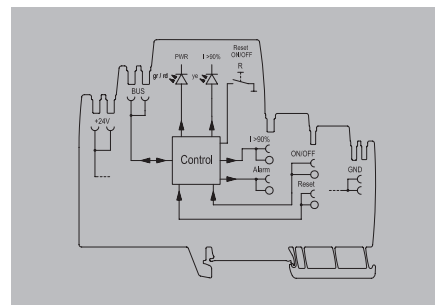
<b>Pluggable cross-connection</b>	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole / red	
2-pole / blue	
<b>Note</b>	

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

## maxGUARD – Control module

Potential distribution with integrated electronic load monitoring

## AMG CM



### Technical data

Input	
DC input voltage range	18 ... 31.2 V DC
Rated input voltage	24 V DC
Current consumption (idle)	20 mA
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	Yes
Output	
Connection system [Output]	PUSH IN
Surge protection	Yes
General data	
Relay to activate the output	
Protection degree	IP20
Control inputs	ON/ OFF, Reset
Oversvoltage category	III
Signalling	
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Transistor output, positive-switching	Pre-warning, Alarm
Connection data	
Number of terminals	4 (Reset / ON / Pre-warning / Alarm)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE
Note	

18 ... 31.2 V DC
24 V DC
20 mA
100 mVpp
Yes
PUSH IN
Yes
IP20
ON/ OFF, Reset
III
Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Pre-warning, Alarm
4 (Reset / ON / Pre-warning / Alarm)
26...12
0.14...2.5 mm <sup>2</sup>
0.14...2.5 mm <sup>2</sup>
0.6 x 3.5
CE

### Ordering data

Rated current	
Note	

Type	Qty.	Order No.
AMG CM	1	2081900000

### Accessories

Pluggable cross-connection	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole / red	
2-pole / blue	
Note	

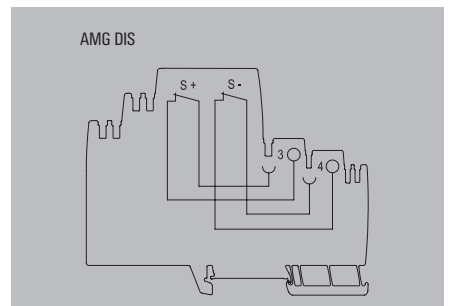
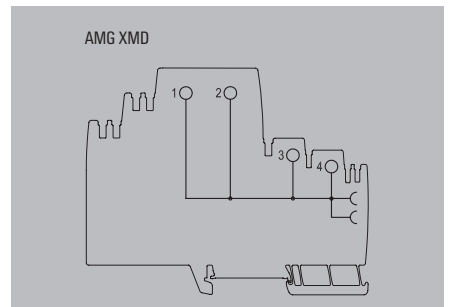
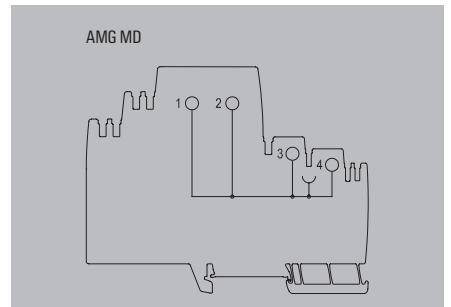
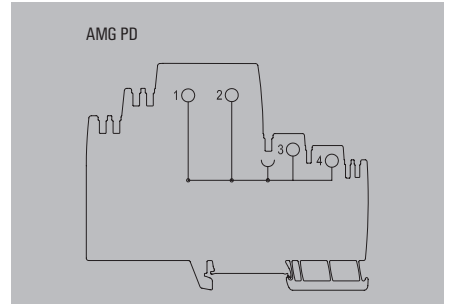
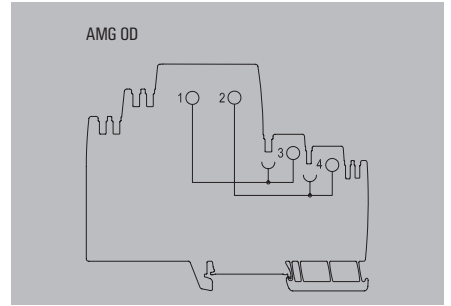
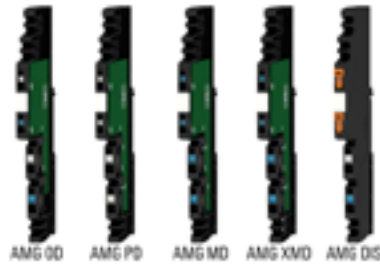
Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

**Control voltage distribution**  
**PUSH IN connection**

**maxGUARD – Potential distributor**

Potential distribution with integrated electronic load monitoring

**AMG**



**B**

**Technical data**

<b>General data</b>	
Protection degree	IP20
<b>Connection data</b>	
Connection system [Output]	PUSH IN
Number of terminals [Output]	4 (++ / -), 2 x 1.5 mm <sup>2</sup> , 2 x 2.5 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26..12
Wire cross-section, flexible min/max	0.14..2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14..2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
<b>Approvals</b>	
Approvals	CE
<b>Note</b>	

**Ordering data**

<b>Note</b>	
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Type	Qty.	Order No.
AMG OD	40	2122910000
AMG PD	40	2122920000
AMG MD	20	2122930000
AMG XMD	40	2122940000
AMG DIS	50	2123050000

**Accessories**

<b>Pluggable cross-connection</b>	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole / red	
2-pole / blue	
<b>Note</b>	

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	60	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

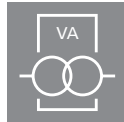




# Efficient implementation of testing and measurement switchgear

## Safe and thorough with Klippon® Connect

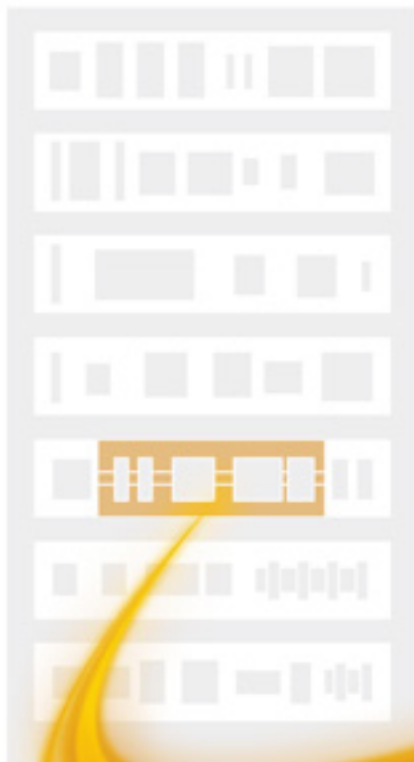
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In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.

### Our promise

The sophisticated features and proven connection technologies means Klippon® Connect solves testing and measurement issues more safely and efficient. Our extensive portfolio provides flexibility and productivity at all stages of the process.



**Safety**

- Highest possible protection of measuring instruments against destruction by avoiding incorrect wiring
- Safe protection of connected power converters thanks to integrated short-circuit contact
- Simple, safe operation thanks to clear identification of switch status
- Lockout to secure the relevant switching status

**Space saving**

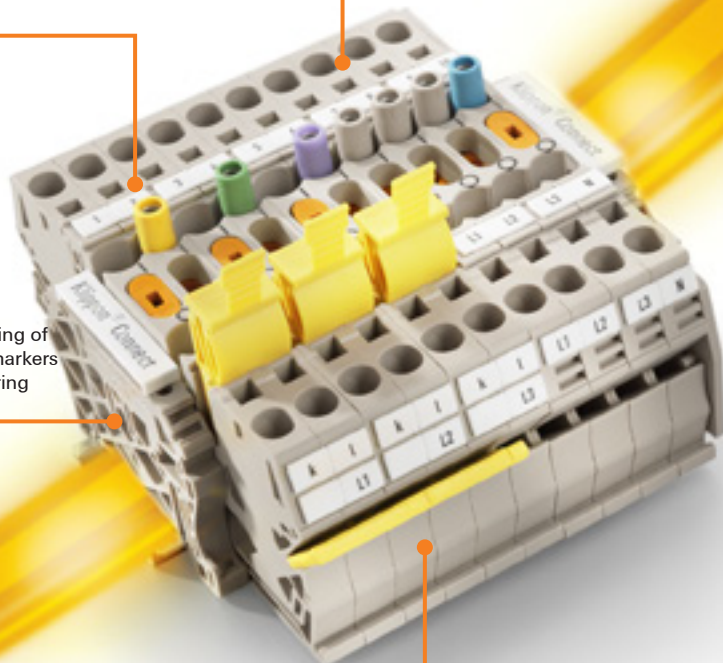
- Modular setup of transformer switching thanks to test-disconnect terminal blocks
- Design of a simple current transformer test circuit with just two terminal blocks

**Time saving**

- Extensive range of accessories consisting of test adapters, cross-connections and markers
- PUSH IN technology for quick, safe wiring

**Flexibility**

- Reliable implementation of all standard transformer switching applications
- Specially developed for all conceivable requirements



**Our range**



**Simple operation to prevent errors:**

With our test-disconnect terminal blocks, based on tested Weidmüller screw connection technology, connecting challenges can be resolved clearly and cost-effectively. The screws connecting the conductors are only accessible after the current transformer has been short-circuited using the short-circuit slider. This ensures safety as it prevents accidental short-circuiting or opening of the converter circuit.



**Screwless and simple:**

Our test-disconnect terminal blocks with PUSH IN and tension clamp technology are the ideal solution to establishing switching circuits for measurement tasks. The simple operating system with a spring connection and the clear identification of the switch status guarantee safe short-circuiting and disconnecting at all times.

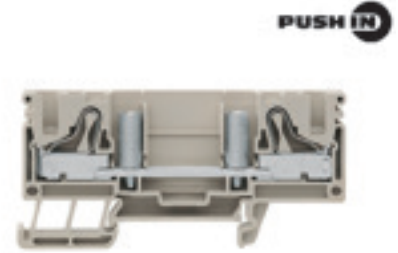
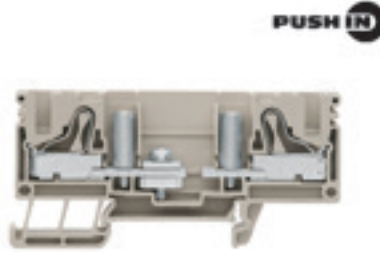
**Instrument transformer wiring  
PUSH IN connection**

**PTL 6/10**

**6 mm<sup>2</sup>**

**PTD 6/10**

**6 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 82 x 39.6	
/ 10	
1.5...10	

8.1 x 82 x 39.6	
/ 10	
1.5...10	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600		
57	45		
6			
8 kV / 3			
A5 / V-0			
Rated connection			
1.5...6			
1.5...10 / 1.5...10			
14 / 0.6 x 3.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600		
57	45		
6			
8 kV / 3			
A5 / V-0			
Rated connection			
1.5...6			
1.5...10 / 1.5...10			
14 / 0.6 x 3.5 mm			

**Ordering data**

Version	dark beige Wemid
Note	

Type	Qty.	Order No.
PTL 6/10/STB	50	1084780000

Type	Qty.	Order No.
PTD 6/10/STB	50	1084790000

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	black
End bracket	
	dark beige
Threaded bushing	
	Standard
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket
	Socket - blue
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket
Screwdriver	
	Standard
Miscellaneous accessories	
	Short-circuit plug, 2-pole
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
PAP PTL/PSI 6/10		20	1165320000
PAP PTL/PSI 6/10 SW		20	1165330000
ZEW 35		20	9540000000
GWHUE M3 WTL6		50	1255010000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 21.6/45 VI		50	1936260000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
STB 36.8/IH/VI WTL6/1		50	1847780000
STB 36.8/IH/DB WTL6/1		50	1847740000
SDS 0.5X3.0X80		1	9008320000
QS 2/8/4	44 A	20	0270960000
DEK 5/8 MC NE WS		800	1856740000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
PAP PTL/PSI 6/10		20	1165320000
PAP PTL/PSI 6/10 SW		20	1165330000
ZEW 35		20	9540000000
GWHUE M3 WTL6		50	1255010000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 21.6/45 VI		50	1936260000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
STB 36.8/IH/VI WTL6/1		50	1847780000
STB 36.8/IH/DB WTL6/1		50	1847740000
SDS 0.5X3.0X80		1	9008320000
QS 2/8/4	44 A	20	0270960000
DEK 5/8 MC NE WS		800	1856740000

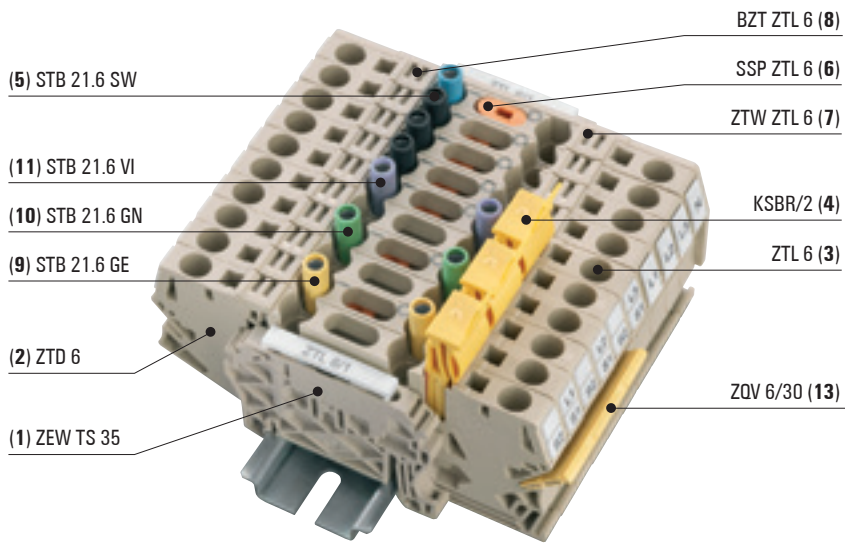
For detailed information on other accessories and application in the online catalogue



## Instrument transformer wiring

### Tension clamp connection

#### Test-disconnect terminal blocks for measuring with ZTL 6



Pos.	Type	Qty.	Order No.
1	ZEW TS 35 (nur TS 35)	20	954000000
1	EWK1 (nur TS 32)	50	0206160000
2	ZTD 6	20	1771810000
3	ZTL 6	20	1771800000
4	KSBR/2	50	1771820000
5	STB 21.6 SW	50	1071040000
6	SSP ZTL 6	100	1771860000
7	ZTW ZTL 6	20	1771870000
8	BZT ZTL 6	20	1781140000

Optionally available for better labelling  
(instead of 11 x Pos. 5):

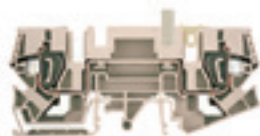
Pos.	Type	Qty.	Order No.
5	STB 21.6 BE	50	1071000000
9	STB 21.6 GE	50	1071010000
10	STB 21.6 GN	50	1071020000
11	STB 21.6 VI	50	1071030000
12	STB 21.6 BL	50	1071080000

Optionally available for a shared k-point:

ZTD 6

6 mm<sup>2</sup>

Feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 106 x 46.5
<b>52 / 10</b>
<b>0.5...10</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
8 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...6			
0.5...6 / 0.5...6			
13 / 0.8 x 4.0 mm			
400V when used as a disconnect terminal. Tightening torque for ZTD 6 disconnection element with screw = 0.5 - 0.6 Nm			

Ordering data

Version	
	without socket
	with socket
Note	

Type	Qty.	Order No.
ZTD 6	20	1771810000
ZTD 6/STB	20	1771960000

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
End plate / Partition plate	
	End plate
Testing / Checking	
	Test plug
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket - blue
Miscellaneous accessories	
	Lockout device
	Short-circuit plug, 2-pole
	Short-circuit plug, 3-pole
	Short-circuit plug, 4-pole
Marker holder	
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZTW ZTL6			
		20	1771870000
PS 4 F.STB 4			
		20	0299600000
STB 21.6/IH/GE WTL6/3		50	1071010000
STB 21.6/IH/GN WTL6/3		50	1071020000
STB 21.6/IH/VI WTL6/3		50	1071030000
STB 21.6/IH/BL WTL6/3		50	1071080000
KSB			
KSBR/2 ZTL6	41 A	20	1771820000
KSBR/3 ZTL6	41 A	20	1771830000
KSBR/4 ZTL6	41 A	20	1771840000
BZT ZTL6			
		20	1781140000
DEK			
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

ZTL 6

6 mm<sup>2</sup>

Disconnect test terminal



8 x 106 x 46.5
<b>52 / 10</b>
<b>0.5...10</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
8 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...6			
0.5...6 / 0.5...6			
13 / 0.8 x 4.0 mm			
400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnection element with screw = 0.5 - 0.6 Nm			

Type	Qty.	Order No.
ZTL 6	20	1771800000
ZTL 6/STB	20	1771950000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZTW ZTL6			
		20	1771870000
PS 4 F.STB 4			
		20	0299600000
STB 21.6/IH/GE WTL6/3		50	1071010000
STB 21.6/IH/GN WTL6/3		50	1071020000
STB 21.6/IH/VI WTL6/3		50	1071030000
STB 21.6/IH/BL WTL6/3		50	1071080000
SSP ZTL6			
		100	1771860000
KSBR/2 ZTL6	41 A	20	1771820000
KSBR/3 ZTL6	41 A	20	1771830000
KSBR/4 ZTL6	41 A	20	1771840000
BZT ZTL6			
		20	1781140000
DEK			
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

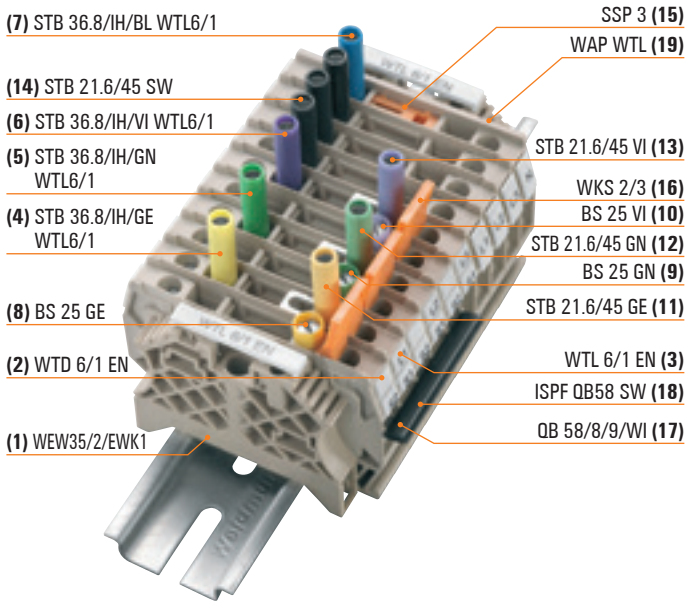
For detailed information on other accessories and application in the online catalogue

Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

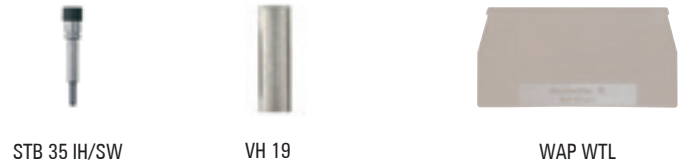
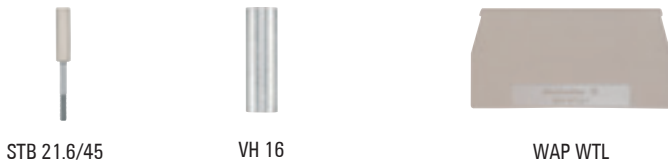
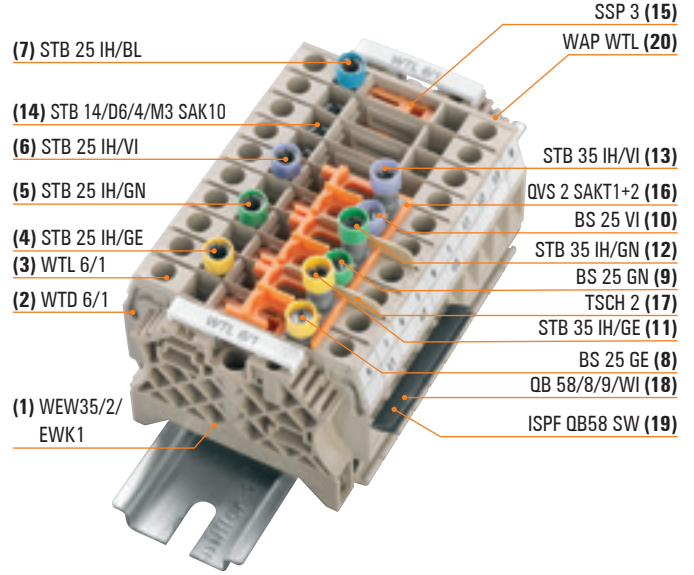
Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

Test-disconnect terminal blocks

WTL 6/1 EN, WTD 6/1 EN, WTQ 6/1 EN



WTL 6/1, WTD 6/1, WTQ 6/1



Ordering data

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTD 6/1 EN	1934830000	1934830000	3
3	WTL 6/1 EN	1934810000	1934810000	7
4	STB 36.8/IH/GE WTL6/1	1847760000	1847760000	1
5	STB 36.8/IH/GN WTL6/1	1847770000	1847770000	1
6	STB 36.8/IH/VI WTL6/1	1847780000	1847780000	1
7	STB 36.8/IH/BL WTL6/1	1847790000	1847790000	1
8	BS 25 GE	0335700000	0335700000	1
9	BS 25 GN	0335600000	0335600000	1
10	BS 25 VI	0335800000	0335800000	1
11	STB 21.6/45 GE	1936240000	1936240000	2
12	STB 21.6/45 GN	1936250000	1936250000	2
13	STB 21.6/45 VI	1936260000	1936260000	2
14	STB 21.6/45 SW	1936270000	1936270000	2
15	SSP 3	0531760000	0531760000	7
16	WKS 2/3	1936140000	1936140000	3
17	QB 58/8/9/WI	0545300000	0545300000	1
18	ISPF QB58 SW	0546000000	0546000000	1
19	WAP WTL	1957710000	1957710000	1
20	VH 16	0309700000	0309700000	9

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
21	QB 58*angled	0545300000	0545300000	1
22	ISPFQB58SW*	0546000000	0546000000	1

\* Shorten to 5 poles

Ordering data

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTD 6/1	1017100000	1017100000	3
3	WTL 6/1	1016700000	1016700000	7
4	STB 25 IH/GE	0267200000	0267200000	1
5	STB 25 IH/GN	0271200000	0271200000	1
6	STB 25 IH/VI	0271300000	0271300000	1
7	STB 25 IH/BL	0343400000	0343400000	1
8	BS 25 GE	0335700000	0335700000	1
9	BS 25 GN	0335600000	0335600000	1
10	BS 25 VI	0335800000	0335800000	1
11	STB 35 IH/GE	0389000000	0389000000	2
12	STB 35 IH/GN	0388900000	0388900000	2
13	STB 35 IH/VI	0389100000	0389100000	2
14	STB 14/D6/4/M3 SAK10	0169900000	0169900000	2
15	SSP 3	0531760000	0531760000	7
16	QVS 2 SAKT1+2	0307300000	0307300000	1
17	TSCH 2	0353660000	0353660000	1
18	QB 58/8/9/WI	0545300000	0545300000	1
19	ISPF QB58 SW	0546000000	0546000000	1
20	WAP WTL	1068300000	1068300000	1
21	VH 19	0318000000	0318000000	9

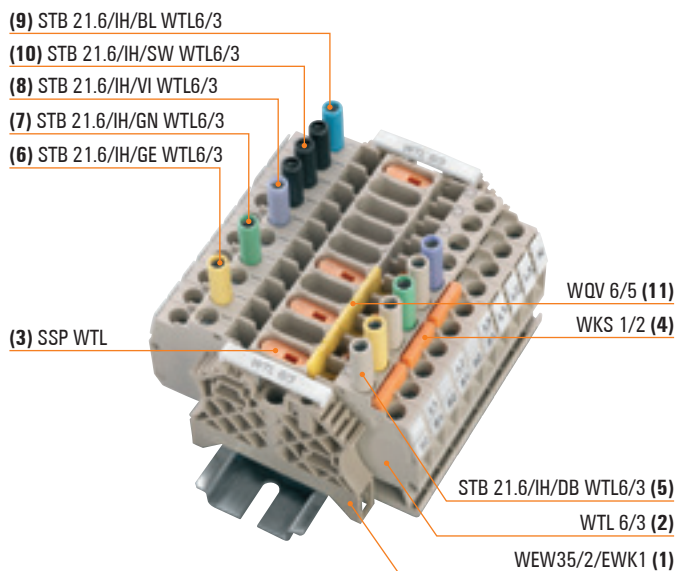
Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
21	QB 58*angled	0545300000	0545300000	1
22	ISPFQB58SW*	0546000000	0546000000	1

\* Shorten to 5 poles



WTL 6/2, WTL 6/3



Ordering data

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTL 6/3	1018800000		10
3	SSP WTL	1604200000	1604200000	4
4	WKS 1/2	1604270000	1604270000	3

Optionally available for better labelling for WTL 6/3 (instead of 14 x pos. 3):

Pos.	Type	Order No.	Order No.	Qty.
5	STB 21.6/IH/DB WTL6/3	1071000000	1071000000	7
6	STB 21.6/IH/GE WTL6/3	1071010000	1071010000	2
7	STB 21.6/IH/GN WTL6/3	1071020000	1071020000	2
8	STB 21.6/IH/VI WTL6/3	1071030000	1071030000	2
9	STB 21.6/IH/BL WTL6/3	1071080000	1071080000	1
10	STB 21.6/IH/SW WTL6/3	1071040000	1071040000	3

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
11	WQV 6/5	1062660000	1062660000	1

**Instrument transformer wiring**  
**Screw connection**

**Accessories for test-disconnect terminals WTL 6/1**

**Technical data**

Rated voltage for neighbouring	rated voltage
QVS	63 V
WQV	bis 400 V
QL	250 V

for neighbouring	rated voltage
STB 25	63 V
STB 30.5	63 V
STB 35	63 V

**SSP WTL, SSP 3** and **SSP 4** prevent unwanted opening or closing of current circuits. They block the disconnecting slider in its particular position. The lockout device is easily pressed into the terminal, but can only be removed again with a tool.

Type	Qty.	Order No.
SSP 3	100	<b>0531760000</b>
SSP WTL	100	<b>1604200000</b>

To retain the rated voltage, partition plates **TW** or partition discs **TSch** have to be used, except with **WQV**.



**QVS 1**

**Cross-connection slider**

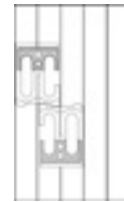


QVS    QVS    QVSK 2    QVS 2S

Type	No. of poles	Qty.	Order No.
QVS 2	2	20	<b>0307300000</b>
QVSK 2	2	20	<b>1670360000</b>
QVS 3	3	20	<b>0329300000</b>
QVS 4	4	20	<b>0307400000</b>
QVS 2S	2	20	<b>0358460000</b>

**Note:**  
Not suitable for WTL 6/1 EN.  
QVS 2 placed opposite each other cannot be switched.

**QVSK 2**  
(167036)



WTL6/1, WTD6/1

**QVS 2**  
(030730)



WTL6/1, WTD6/1

**STB**

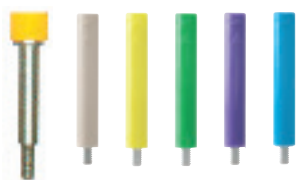
**Cross-connection slider**



Type	Colour	Qty.	Order No.
STB 14		50	<b>0169900000</b>
<b>STB 30,5</b>			
STB 30.5	black	50	<b>0341000000</b>
STB 30.5	grey	50	<b>0341100000</b>
STB 30.5	blue	50	<b>0341200000</b>
STB 30.5	red	50	<b>0341300000</b>
STB 30.5	green	50	<b>0341400000</b>
STB 30.5	yellow	50	<b>0341500000</b>
STB 30.5	violet	50	<b>0341600000</b>
<b>STB 35</b>			
STB 35	yellow	50	<b>0389000000</b>
STB 35	green	50	<b>0388900000</b>
STB 35	violet	50	<b>0389100000</b>
STB 35	black	50	<b>0388500000</b>
STB 35	grey	50	<b>0388600000</b>
STB 35	blue	50	<b>0388700000</b>
STB 35	red	50	<b>0388800000</b>
<b>Connecting sleeves</b>			
VH19		50	<b>0318000000</b>

Accessories for test-disconnect terminals WTL 6/1 EN

BS / VH



Type	Colour	Qty.	Order No.
<b>Fixing screws</b>			
BS 25	yellow	50	0335700000
BS 25	green	50	0335600000
BS 25	violet	50	0335800000
BS 25	grey	50	0335300000
BS 25	black	50	0335200000
BS 25	blue	50	0335400000
BS 25	red	50	0335500000
BS 25	blank	50	0334700000
<b>STB 25</b>			
STB 21.6/45 BL	blue	50	1936290000
STB 21.6/45 DB	d.blue	50	1938790000
STB 21.6/45 GE	yellow	50	1936240000
STB 21.6/45 GN	green	50	1936250000
STB 21.6/45 GR	grey	50	1936280000
STB 21.6/45 RT	red	50	1936300000
STB 21.6/45 SW	black	50	1936270000
STB 21.6/45 VI	violet	50	1936260000
<b>Connecting sleeves</b>			
VH 16/5/3.5 SAK10-35		50	0309700000
CuZn 39 (brass alloy)			
<b>STB 36,8</b>			
STB 36.8/IH/DB WTL6/1		50	1847740000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
STB 36.8/IH/VI WTL6/1		50	1847780000
STB 36.8/IH/BL WTL6/1		50	1847790000

WQV / QL



WQV (only for WTL 6/2, WTL 6/3)

Type	No. of poles	Qty.	Order No.
<b>WQV</b>			
WQV 6/2	2	50	1052360000
WQV 6/3	3	50	1054760000
WQV 6/4	4	50	1054860000
WQV 6/5	5	50	1062660000
WQV 6/7	7	50	1062680000
WQV 6/10	10	20	1052260000
<b>QL</b>			
QL 2	2	50	0194300000
QL 3	3	50	0194400000
QL 4	4	50	0194500000
QL 10	10	20	0338300000
QL 15	15	10	0221200000
<b>Connecting sleeves</b>			
VH 12		100	0249000000
E-Cu 57 (copper alloy)			

WKS / WKB

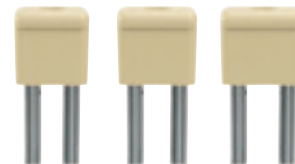


WKS

WKB

Type	No. of poles	Qty.	Order No.
<b>WKB</b>			
WKB 1/2	2	50	1604280000
WKB 1/3	3	50	1604300000
WKB 1/4	4	50	1604320000
WKB 1/10	10	20	1604330000
<b>WKS</b>			
WKS 1/2	2	50	1604270000
WKS 1/3	3	50	1604290000
WKS 1/4	4	50	1604310000
WKS 2/2	2	50	1936150000
WKS 2/3	3	50	1936140000

QS 2



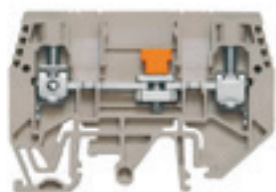
Type	No. of poles	Qty.	Order No.
<b>QS 2</b>			
QS 2	2	20	0270960000
x = 8 mm, y = 16 mm			
QS 2	2	20	0270860000
x = 10 mm, y = 20 mm			
QS 2	2	20	0270760000
x = 12 mm, y = 20 mm			



WTL 6/1 EN

6 mm<sup>2</sup>

Longitudinal - disconnect



7.9 x 65 x 47.5  
57 / 10  
0.5...10



IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

CE

Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
1...1.6 Nm (M 3.5)  
12 / 0.8 x 4.0 mm

Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

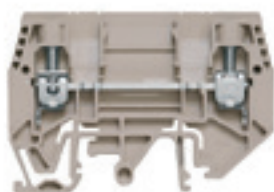
Type	Qty.	Order No.
WTL 6/1 EN	50	1934810000
WTL 6/1 EN STB	50	1934820000
TS 32 variants upon request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN		20	1957710000
WTW WTL6/1 DB		20	1068400000
WEW 35/2		100	1061200000
WKS 2/2		50	1936140000
WKS 2/3		50	1936150000
WKS 2/4		50	1936160000
VH 16/5/3.5 SAK10-35		50	0309700000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

WTD 6/1 EN

6 mm<sup>2</sup>

Feed-through



7.9 x 65 x 47.5  
57 / 10  
0.5...10



IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

CE

Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
0.8...1.6 Nm (M 3.5)  
12 / 0.8 x 4.0 mm

Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

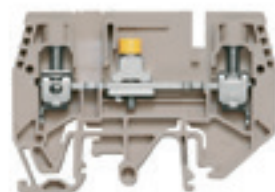
Type	Qty.	Order No.
WTD 6/1 EN	50	1934830000
TS 32 version on request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN		20	1957710000
WTW WTL6/1 DB		20	1068400000
WEW 35/2		100	1061200000
WKS 2/2		50	1936140000
WKS 2/3		50	1936150000
WKS 2/4		50	1936160000
VH 16/5/3.5 SAK10-35		50	0309700000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

WTQ 6/1 EN

6 mm<sup>2</sup>

Cross-connect/disconnect (isolator)



7.9 x 65 x 47.5  
57 / 10  
0.5...10



IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

CE

Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
(M 3.5)  
12 / 0.8 x 4.0 mm

Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Type	Qty.	Order No.
WTQ 6/1 EN	50	1934790000
WTQ 6/1 EN STB	50	1934800000
TS 32 version on request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN		20	1957710000
WTW WTL6/1 DB		20	1068400000
WEW 35/2		100	1061200000
WKS 2/2		50	1936140000
WKS 2/3		50	1936150000
WKS 2/4		50	1936160000
VH 16/5/3.5 SAK10-35		50	0309700000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

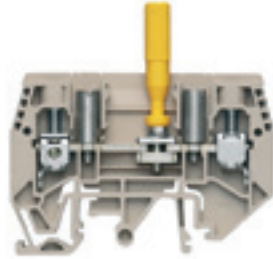
**Instrument transformer wiring**  
**Screw connection**

**B**

**WTL 6/1/STB/TNSC/EN**

**6 mm<sup>2</sup>**

Longitudinal separator



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 65 x 66
<b>57 / 10</b>
<b>0.5...10</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
630			
41			
6			
	6 kV / 3		
	A5 / V-0		
Rated connection			
0.5...10 / 1.5...			
0.5...10 / 0.5...6			
1...1.6 Nm (M 3.5)			
12 / 0.8 x 4.0 mm			
Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

**Ordering data**

Version	
	without socket
	with socket
Note	

Type	Qty.	Order No.
WTL 6/1/TNSC/EN	50	1345280000
WTL 6/1/STB/TNSC/EN	50	1938820000
TS 32 variants upon request		

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	3-pole
	4-pole
	Connecting sleeve for QVS
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket
Miscellaneous accessories	
	Lockout device
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN		20	1957710000
WTW WTL6/1 DB		20	1068400000
WEW 35/2		100	1061200000
WKS 2/2		50	1936140000
WKS 2/3		50	1936150000
WKS 2/4		50	1936160000
VH 16/5/3.5 SAK10-35		50	0309700000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 14/D6/4/M3 SAK10		500	2012420000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

WTL 6/2

6 mm<sup>2</sup>

Longitudinal - disconnecter



WTL 6/3

6 mm<sup>2</sup>

Longitudinal - disconnecter



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

8 x 87 x 61
57 / 10
0.5...10

7.9 x 87 x 64
57 / 10
0.5...10

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
1...1.6 Nm (M 3.5)			
12 / 0.8 x 4.0 mm			
Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 10...10			
0.5...10 / 0.5...6			
0.8...1.6 Nm (M 3.5)			
12 / 0.8 x 4.0 mm			

Ordering data

Version	without socket with socket
Note	

Type	Qty.	Order No.
WTL 6/2	50	1017700000
TS 32 version on request		

Type	Qty.	Order No.
WTL 6/3	50	1018800000
WTL 6/3/STB	50	1018600000
TS 32 version on request		

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	3-pole
	4-pole
Testing / Checking	
	Test plug
	Socket - blue
	Socket - yellow
	Socket - green
	Socket - magenta
Miscellaneous accessories	
	Lockout device
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WEW 35/2		100	1061200000
WKS 1/2		50	1604270000
WKS 1/3		50	1604290000
WKS 1/4		50	1604310000
PS 4 F.STB 4		20	0299600000
SSP WTL6/2		100	1604200000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WEW 35/2		100	1061200000
WKS 1/2		50	1604270000
WKS 1/3		50	1604290000
WKS 1/4		50	1604310000
PS 4 F.STB 4		20	0299600000
STB 21.6/IH/BL WTL6/3		50	1071080000
STB 21.6/IH/GE WTL6/3		50	1071010000
STB 21.6/IH/GN WTL6/3		50	1071020000
STB 21.6/IH/VI WTL6/3		50	1071030000
SSP WTL6/2		100	1604200000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

For further modular disconnect test terminal accessories, refer to chapter on Accessories.

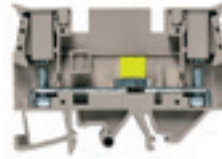
For further modular disconnect test terminal accessories, refer to chapter on Accessories.

**Instrument transformer wiring**  
**Screw connection**

**WTL 6/4 FF**

**6 mm<sup>2</sup>**

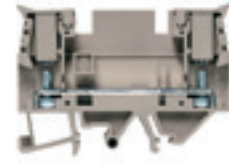
Longitudinal separator



**WTD 6/4 FF**

**6 mm<sup>2</sup>**

Feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

11 x 76.5 x 52
<b>41 / 6</b>
<b>0.5...6</b>

11 x 76.5 x 52
<b>41 / 6</b>
<b>1.5...6</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Tightening torque range clamping screw / isolator	Nm
Approvals	

IEC	UL	CSA	EN 60079-7
800	600	600	
41	30	40	
6	AWG 26...10		
1.2...2.4 / 0.5...1			

IEC	UL	CSA	EN 60079-7
800	600	600	
41	30	40	
6	AWG 26...10		
1.2...2.4			

**Note**

500 V when used as test-disconnect terminal

500 V when used as test-disconnect terminal

**Ordering data**

Version
Note

Type	Qty.	Order No.
WTL 6/4 FF	50	<b>1887210000</b>

Type	Qty.	Order No.
WTD 6/4 FF	50	<b>1887220000</b>

**Accessories**

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Connecting sleeve	
Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
Cross-connection	
Insulating sleeve	
Cross-connection plug	
	2-pole
Cable lug	
Screwdriver	
Crimping tool	
Identification systems	

Type	current	Qty.	Order No.
ZQV 10/2		25	<b>1739680000</b>
WAP WTL6/4FF		20	<b>1887240000</b>
EWK 1		50	<b>0206160000</b>
EW 35/SCHA/M3		20	<b>0258660000</b>
VH 13.5/4.9/3.3 SAK4		100	<b>0248500000</b>
QL 2 WTL6/4FF		100	<b>1897010000</b>
QL 3 WTL6/4FF		100	<b>1897020000</b>
QL 4 WTL6/4FF		100	<b>1897030000</b>
QL 10 WTL 6/4 FF		100	<b>1897090000</b>
Q 2 WTL6/4FF		100	<b>1897110000</b>
Q 4 WTL 6/4FF		100	<b>1897130000</b>
Q 10 WTL 6/4FF		100	<b>1897190000</b>
DS 13.5 WTL6/4FF		100	<b>1897000000</b>
QS 2/12/4	44 A	20	<b>0270760000</b>
LIR 1,5M4 V		100	<b>9200090000</b>
LIR 2,5M4 V		100	<b>9200170000</b>
LIR 6M4 V		100	<b>9200230000</b>
SDIS 0.8X4.0X100		1	<b>9008400000</b>
SDS 0.8X4.0X100		1	<b>9008340000</b>
SDIZ 0,8X5,5 150/248		1	<b>9008640000</b>
CTI 6		1	<b>9006120000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 M MC NE WS		720	<b>1792000000</b>

Type	current	Qty.	Order No.
ZQV 10/2		25	<b>1739680000</b>
WAP WTL6/4FF		20	<b>1887240000</b>
EWK 1		50	<b>0206160000</b>
EW 35/SCHA/M3		20	<b>0258660000</b>
VH 13.5/4.9/3.3 SAK4		100	<b>0248500000</b>
QL 2 WTL6/4FF		100	<b>1897010000</b>
QL 3 WTL6/4FF		100	<b>1897020000</b>
QL 4 WTL6/4FF		100	<b>1897030000</b>
QL 10 WTL 6/4 FF		100	<b>1897090000</b>
Q 2 WTL6/4FF		100	<b>1897110000</b>
Q 4 WTL 6/4FF		100	<b>1897130000</b>
Q 10 WTL 6/4FF		100	<b>1897190000</b>
DS 13.5 WTL6/4FF		100	<b>1897000000</b>
QS 2/12/4	44 A	20	<b>0270760000</b>
LIR 1,5M4 V		100	<b>9200090000</b>
LIR 2,5M4 V		100	<b>9200170000</b>
LIR 6M4 V		100	<b>9200230000</b>
SDIS 0.8X4.0X100		1	<b>9008400000</b>
SDS 0.8X4.0X100		1	<b>9008340000</b>
SDIZ 0,8X5,5 150/248		1	<b>9008640000</b>
CTI 6		1	<b>9006120000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 M MC NE WS		720	<b>1792000000</b>

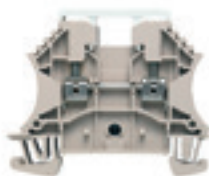
For detailed information on other accessories and application in the online catalogue

Use for all wire cross-sections with cables lugs, in accordance with DIN 46234.



WDU 2.5/TC

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-
Max. clamping range	mm <sup>2</sup>

10.2 x 60 x 50
/ 2.5
0.13...2.5

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

IEC 60584, IEC 60947-7-1

Ex e III  
2 G D

IEC	UL	CSA	EN 60079-7
			55
			1
2.5			2.5 mm <sup>2</sup>
	/ 3		
	A2 / V-0		
CE		SIRA 02ATEX3153 U	
<b>Rated connection</b>			
0.5...2.5 / 1.5...2.5			
0.5...2.5 / 0.5...2.5			
0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			

Note

**Ordering data**

<b>Version</b>	
(NiCr - Ni) type K	
(Cu - CuNi) type T	
(Fe-CuNi) type J	
(Pt 10% - Pt Rh/Pt 13% - Pt Rh) type SR	
(Pt 10% Rh - Pt 6% Rh) type B	
(NiCr - CuNi) type E	
(NiSiI - Nicrosil) type N	

Type	Qty.	Order No.
WDU 2.5/TC TYP K	50	1024100000
WDU 2.5/TC TYP T	50	1024200000
WDU 2.5/TC TYP J	50	1024300000
WDU 2.5/TC TYP SR	50	1024400000
WDU 2.5/TC TYP B	50	1033700000
WDU 2.5/TC TYP E	50	1033300000
WDU 2.5/TC TYP N	50	1041500000

Note

**Accessories**

<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>End bracket</b>	
	dark beige
<b>Identification systems</b>	

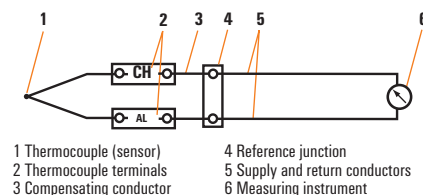
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 16*35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

**Configuration of a temperature measuring circuit**



The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature measuring circuit.

**Technical data**

Thermocouples to IEC 584 (DIN 43 710)

Current bar	
Cromel Alumel	
E-grade copper Constantan	
Iron Constantan	
E-grade copper/ A-grade copper	
S-grade copper/ E-grade copper	
Cromel- Constantan	

## Clear wiring for high-density signalling levels

### With Klippon® Connect in the smallest spaces

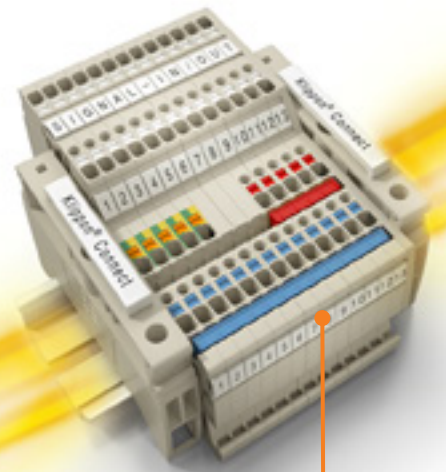
B



With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

#### Our promise

With tailored application products, Klippon® Connect offers all the benefits required for structured wiring of initiator and actuator signals. The simple handling and the maximum flexibility in the choice of design meets the requirements for reliable signal wiring simply, efficiently and safely.



#### Safety

- Test options on every terminal
- Vibration-resistant and gas-tight connections
- Top-level safety for machines and systems

**Space saving**

- Up to four different potentials on a terminal just 3.5 mm wide
- Structuring and combining of signals in confined spaces

**Time saving**

- Simple to use thanks to PUSH IN technology
- Convenient plus/minus potential distribution through range of cross connection options
- Simple wiring thanks to colour-coded pushers

**Flexibility**

- Maximum clarity thanks to wide variety of labelling options
- User and service-friendly thanks to clear design
- A wide assortment of variants in three designs

**Our range****Extreme flexibility in potential distribution:**

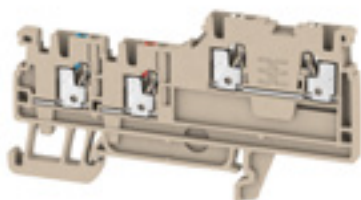
With our application products, you can achieve effective and safe potential distribution while looping the signals to the I/O system. You can benefit from increased wiring density with more potentials on a single terminal block. This not only saves space, but also reduces the time required to assemble the terminal block.

**Free choice of design:**

Our application products for signal wiring (AIO) are available in three designs. Depending on the design, you can connect 3- or 4-wire sensors or actuators. The large number of variants, e.g. with built-in PE function, allows maximum flexibility when it comes to designing the signal feed.

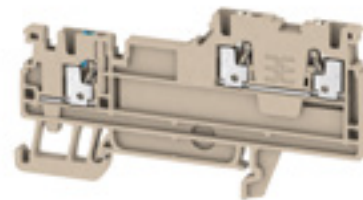
AI021 1.5 SI

1.5 mm<sup>2</sup>



AI021 1.5 SO

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 80 x 42	
<b>13.5 / 1.5</b>	
<b>0.14...1.5</b>	

3.5 x 80 x 42	
<b>13.5 / 1.5</b>	
<b>0.14...1.5</b>	

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

In accordance with IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250			
13.5			
1.5			
	4 kV / 3		
	A1 / V-0		
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
8 / 0.4 x 2.0 mm			
Approval in progress			

In accordance with IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250			
13.5			
1.5			
	4 kV / 3		
	A1 / V-0		
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
8 / 0.4 x 2.0 mm			
Approval in progress			

Ordering data

<b>Version</b>	
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AI021 1.5 SI	100	1992260000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AI021 1.5 SO	100	1992240000

Accessories

<b>Pluggable cross-connection</b>	
	2-pole / red
	10-pole / red
	2-pole / blue
	10-pole / blue
<b>End plate</b>	
<b>End bracket</b>	
	dark beige
	dark beige
<b>Test adapter</b>	
	1-pole stackable
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
WS 10/3.5 PLUS MC NE WS		960	2003760000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
WS 10/3.5 PLUS MC NE WS		960	2003760000

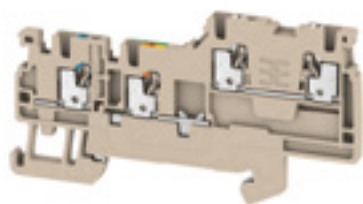
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

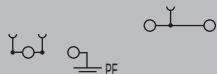
All MultiMark variants (MM) = strip markers

**AI021 1.5 SO-PE**

**1.5 mm<sup>2</sup>**



3.5 x 80 x 42  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
4 kV / 3			
A1 / V-0			

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

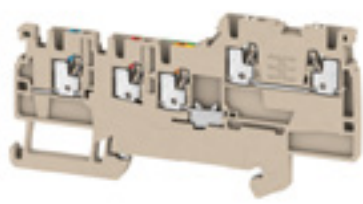
Type	Qty.	Order No.
AI021 1.5 SO-PE	100	<b>1992250000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO21		50	<b>1993580000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

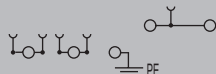
All MultiMark variants (MM) = strip markers

**AI022 1.5 SI-PE**

**1.5 mm<sup>2</sup>**



3.5 x 89 x 45  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
4 kV / 3			
A1 / V-0			

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

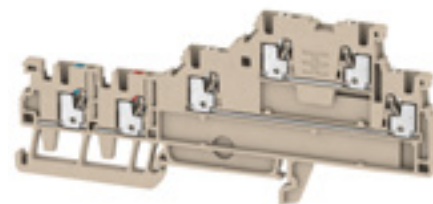
Type	Qty.	Order No.
AI022 1.5 SI-PE	100	<b>1992230000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO22		50	<b>1993590000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

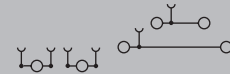
All MultiMark variants (MM) = strip markers

**AI023 1.5 2SI**

**1.5 mm<sup>2</sup>**



3.5 x 110 x 49.5  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
13.5			
1.5			
4 kV / 3			
A1 / V-0			

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AI023 1.5 2SI	100	<b>1992220000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO23		50	<b>1993600000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

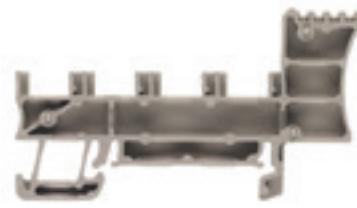
All MultiMark variants (MM) = strip markers

**Signal wiring**  
**Tension clamp connection**

**B**

**ZPV 1.5** **1.5 mm<sup>2</sup>**

Base element



5.1 x 67.8 x 38.35

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...14	AWG 26...14	
		4 kV / 3	
		/V-0	



**Rated connection**

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/-
Max. clamping range	-

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Stripping length / Blade size	-/-

Note

**Ordering data**

Version	
	Base terminal
	Base terminal with LED
	PE base terminal

Note

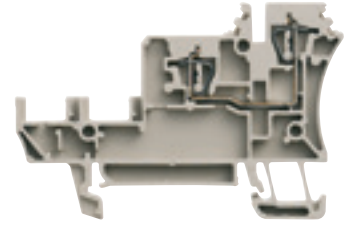
**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	50-pole
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
End plate / Partition plate	
	dark beige
	With assembly peg
	Without peg
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

**ZIA 1.5/3 L...** **1.5 mm<sup>2</sup>**

Base element 3-wire



5.08 x 68.5 x 45.5

/ 2.5

0.13...2.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...14	AWG 26...14	
		4 kV / 3	
		A1 / V-0	



**Rated connection**

0.5...2.5
0.5...2.5 / 0.5...1.5
7 / 0.6 x 3.5 mm

Bi-directional LED in ZIA 1.5/3L-1/LD (1651990000)

Type	Qty.	Order No.
ZIA 1.5/3L-1S	100	1651980000
ZIA 1.5/3L-1S/LD-RT	50	1651990000
ZIA 1.5/3L-PE	20	1652000000

ZVL 1.5 0.QV = distribution strip without internal bridge for park position.

Type	Qty.	Order No.
ZPV 1.5	100	1676630000

ZVL 1.5 0.QV = distribution strip without internal bridge for park position.

Type	current	Qty.	Order No.

ZAP/TW ZPV1.5	50	1674650000
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SDIS SL 0.6X3.5X100	1	1274660000
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DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000

For holding the ZVL 1.5 distribution strip

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/50	24 A	10	1697540000

ZRH 1.5N/1	1000	1632140000
ZRH 1.5N/2	1000	1632130000

ZAP/TW ZIA1.5/3L	50	1649540000
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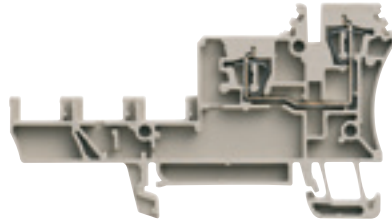
current		Qty.	Order No.
SDIS SL 0.6X3.5X100		1	1274660000

DEK 5/5 MC NE WS	1000	1609801044
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ZIA 1.5/4 L...

1.5 mm<sup>2</sup>

Base element 4-wire



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.08 x 81.5 x 45.5	
/ 2.5	
0.13...2.5	

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	dark beige Wemid
	dark beige Wemid
	blue Wemid
	brown Wemid
	green/yellow Wemid
	Base terminal
	Base terminal with LED
	PE base terminal
Note	

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	50-pole
Reducing sleeves	
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
End plate / Partition plate	
	dark beige
	Without peg
	With assembly peg
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

ZVL 1.5

1.5 mm<sup>2</sup>

Distribution strip



5.08 x 12.9 x 17.45	
/ 2.5	
0.13...2.5	

IEC 60947-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...14	AWG 26...14	
		4 kV / 3	
		A2 / V-0	
CE			
Rated connection			
0.5...2.5			
0.5...2.5 / 0.5...1.5			
7 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
ZVL 1.5	100	1649300000
ZVL 1.5 0.QV	100	1711930000
ZVL 1.5 BL	100	1650360000
ZVL 1.5 BR	100	1650370000
ZVL 1.5/PE GN/GE BED	100	1651970000
Note		
ZVL 1.5 0.QV = distribution strip without internal bridge for park position.		

Type	current	Qty.	Order No.
ZRH 1.5N/2		1000	1632130000
ZRH 1.5N/1		1000	1632140000
ZAP/TW ZIA1.5/4L		50	1649550000
current			
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
current			
BZT ZVL1.5/0.ZA		100	1676620000
BZT ZVL1.5		100	1676610000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044

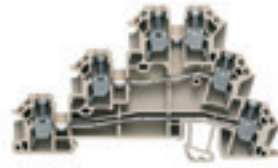
Integrated cross-connectors.  
Distribution strip for base element ZPV 1.5 Order no. 1676630000

**Signal wiring**  
**Screw connection**

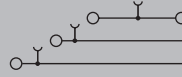
**DLD 2.5**

**2.5 mm<sup>2</sup>**

**Voltage supply**



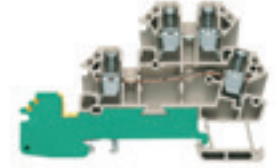
6.2 x 82.5 x 48.5  
**24 / 4**  
**0.13...4**



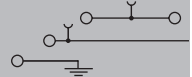
**DLD 2.5 PE**

**2.5 mm<sup>2</sup>**

**Lower level earthed**



6.1 x 74.5 x 48.5  
**17.5 / 4**  
**0.13...4**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Electronic fixtures	
Component voltage / Component current	-/-
Operating voltage for display, max. / Current	-/-
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE CB CB UL

**Rated connection**

0.5...4 / 0.5...4
0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE CB CB UL

**Rated connection**

0.5...4 / 0.5...4
0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

**Ordering data**

Version	
	dark beige Wemid
	dark beige Wemid (red LED)
	dark beige Wemid (green LED)
Note	

Type	Qty.	Order No.
DLD 2.5 DB	50	1784180000
Variant in blue, Order no. 6269250000 (qty. 50)		

Type	Qty.	Order No.
DLD 2.5/PE DB	50	1783790000

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Small partition	
	Small partition
Identification systems	

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		10	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		10	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue

TEAP DLD2.5 DB partial end plate, Order no. 1784220000 (20 pcs.)

TEAP DLD2.5/PE DB partial end plate, Order no. 1783810000 (20 pcs.)



**DLI 2.5**

**2.5 mm<sup>2</sup>**

Initiator connection (signal,+,-)



6.1 x 66 x 48.5  
**32 / 4**  
**0.13...4**

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw)0.4...0.6 Nm (M 2.5)

7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped.

Type	Qty.	Order No.
DLI 2.5 DB	100	<b>1783820000</b>

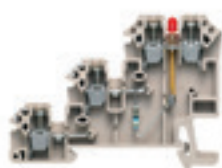
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

SIB 8.5 socket in upper busbar (together with PS 2.3 test plug)

**DLI 2.5 LD PNP**

**2.5 mm<sup>2</sup>**

Initiator connection with LED



6.1 x 66 x 48.5  
**24 / 4**  
**0.13...4**

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			

30 / 5

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw)0.4...0.6 Nm (M 2.5)

7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/PNP +- DB	100	<b>1783980000</b>
DLI 2.5/LD-GN/PNP +- DB	100	<b>1783970000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

**DLI 2.5 LD NPN**

**2.5 mm<sup>2</sup>**

Initiator connection with LED



6.1 x 66 x 48.5  
**24 / 4**  
**0.13...4**

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			

30 / 5

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw)0.4...0.6 Nm (M 2.5)

7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/NPN +- DB	100	<b>1783950000</b>
DLI 2.5/LD-GN/NPN +- DB	100	<b>1783940000</b>

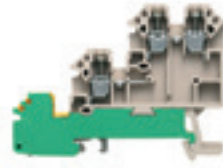
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

**Signal wiring**  
**Screw connection**

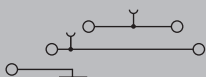
**B**

**DLA 2.5** **2.5 mm<sup>2</sup>**

Actuator connection (signal, -PE)



6.1 x 65 x 48.5  
**26 / 4**  
**0.13...4**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



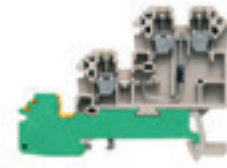
**Rated connection**

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)
7 / 0.6 x 3.5 mm

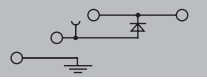
Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

**DLA 2.5/D** **2.5 mm<sup>2</sup>**

Actuator connection (circuit with diode)



6.1 x 66 x 48.5  
**17.5 / 4**  
**0.13...4**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Electronic fixtures	
Component voltage / Component current	-/-
Operating voltage for display, max. / Current	-/-
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version
dark beige Wemid
dark beige Wemid (red LED)
Note

**Accessories**

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
End plate / Partition plate	
dark beige	
End bracket	
dark beige	
Screwdriver	
Standard	
Small partition	
Small partition	
Identification systems	

Type	Qty.	Order No.
DLA 2.5 DB	100	1783560000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		10	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

Type	Qty.	Order No.
DLA 2.5/D DB	100	1783590000

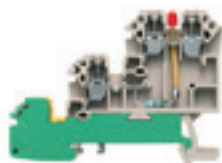
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		10	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue

**DLA 2.5/LD**

**2.5 mm<sup>2</sup>**

Actuator connection with LED



6.1 x 66 x 48.5  
**17.5 / 4**  
**0.13...4**

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30		30	
17.5		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			



30 / 5

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLA 2.5/LD-RT DB	100	<b>1783600000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

## Space-saving connection of process control systems

### Efficient marshalling and distribution with Klippon® Connect signals

B



Increasingly complex requirements for automation processes and increasing demands in terms of monitoring and recording operational data have led to an ever-increasing number of sensors in the field for process technology. This means that space- and time-saving wiring of signals in DCS marshalling panels in the process and energy generation industries is becoming increasingly demanding. Our terminal blocks for DCS marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.

#### Our promise

With our terminal blocks for DCS marshalling, you have maximum flexibility from the planning phase: potential later extensions can be planned in from the start. This means that Klippon® Connect saves you time and money and considerably improves productivity.

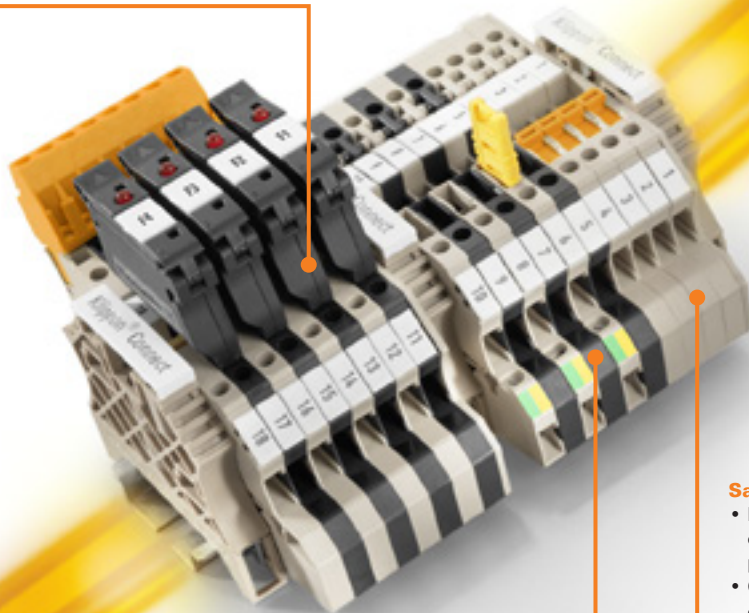


#### Space saving

- Up to 50 percent more space in the panel thanks to optimised design
- Subsequent design extensions can be considered from the outset

**Time saving**

- Use of pre-assembled cable sets with pluggable BLZ connectors saves valuable wiring time
- Quick and convenient fuse changes thanks to fuse holder with pivoting fuse lever

**Flexibility**

- All the important terminal block functions in a single design
- More flexibility in potential distribution thanks to three cross-connection channels
- Setup of an additional shield potential next to the neutral conductor is possible with ZQV standard cross connections

**Safety**

- Error-free assignment of signals, based on a colour-coded matrix structure and printed partition plates
- Guarantees vibration-resistant and gas-tight connections
- Protection from electromagnetic influences
- Consistently low contact resistance thanks to innovative V-shaped current bars

**Our range****Unique design for plenty of space:**

Our PUSH IN terminal blocks for DCS marshalling (PRV) with up to 16 connection levels are specially designed to meet the requirements for wiring initiator and actuator signals in process control engineering. The optimised design guarantees a space saving of up to 50 percent in the panel. And the unique V-shape of the current bars ensures consistently low contact resistances.

**One solution for all requirements:**

The WMF-Series of screw connection terminals is a multi-functional solution for the marshalling and distribution of signals. Feed-through, fuse and disconnecter function plus an additional shield connection are included in one design.

**DCS marshalling**  
**PUSH IN connection**

**PRV 4 RT**

**1.5 mm<sup>2</sup>**



**PRV 4 WS**

**1.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 70 x 54.5	
<b>13 / 1.5</b>	
<b>0.13...1.5</b>	

9.2 x 70 x 54.5	
<b>13 / 1.5</b>	
<b>0.13...1.5</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5		AWG 26...16	
		4 kV / 3	
		/V-0	
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5		AWG 26...16	
		4 kV / 3	
		/V-0	
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

**Ordering data**

Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
Note	

Type	Qty.	Order No.
PRV 4 SW 35X15 RT	20	1173810000
PRV 4 BL 35X15 RT	20	1267890000
PRV 4 SW 35X7.5 RT	20	1173830000
PRV 4 BL 35X7.5 RT	20	1267900000
RT = red actuators		

Type	Qty.	Order No.
PRV 4 SW 35X15 WS	20	1173820000
PRV 4 BL 35X15 WS	20	1173920000
PRV 4 SW 35X7.5 WS	20	1173840000
PRV 4 BL 35X7.5 WS	20	1173930000
WS = white actuators		

**Accessories**

End plate	black
	blue
	grey
Marker holder	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5
Partition plate	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	black
Screwdriver	Standard
Pluggable cross-connection	2-pole
Identification systems	

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000
BZT PRV4 SW 35X15		20	1173590000
BZT PRV4 BL 35X15		20	1267980000
BZT PRV4 SW 35X7.5		20	1173600000
BZT PRV4 BL 35X7.5		20	1267990000
TW PRV4		10	1173700000
TW PRV4 0-3		10	1230060000
TW PRV4 1-4		10	1230050000
TW PRV4 A-D		10	1230070000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000
BZT PRV4 SW 35X15		20	1173590000
BZT PRV4 BL 35X15		20	1267980000
BZT PRV4 SW 35X7.5		20	1173600000
BZT PRV4 BL 35X7.5		20	1267990000
TW PRV4		10	1173700000
TW PRV4 0-3		10	1230060000
TW PRV4 1-4		10	1230050000
TW PRV4 A-D		10	1230070000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

PRV 8 RT/WS

1.5 mm<sup>2</sup>



PRV 8 WS/RT

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 120 x 73	
<b>10 / 1.5</b>	
<b>0.13...1.5</b>	

9.2 x 120 x 73	
<b>10 / 1.5</b>	
<b>0.13...1.5</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	AWG 26...16		
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

IEC 60947-1

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	AWG 26...16		
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5

Note

Type	Qty.	Order No.
PRV 8 SW 35X15 RT/WS	20	1173740000
PRV 8 BL 35X15 RT/WS	20	1267830000
PRV 8 SW 35X7.5 RT/WS	20	1173790000
PRV 8 BL 35X7.5 RT/WS	20	1267840000

RT = red actuators  
WS = white actuators

Type	Qty.	Order No.
PRV 8 SW 35X15 WS/RT	20	1173780000
PRV 8 BL 35X15 WS/RT	20	1173900000
PRV 8 SW 35X7.5 WS/RT	20	1173800000
PRV 8 BL 35X7.5 WS/RT	20	1173910000

RT = red actuators  
WS = white actuators

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5
Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Pluggable cross-connection	
	2-pole
Identification systems	

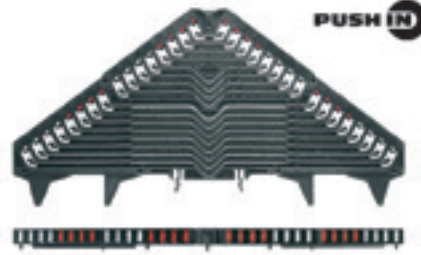
Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000
BZT PRV8 SW 35X15		20	1173570000
BZT PRV8 BL 35X15		20	1267950000
BZT PRV8 SW 35X7.5		20	1173580000
BZT PRV8 BL 35X7.5		20	1267970000
TW PRV8		10	1173670000
TW PRV8 0-7		10	1230090000
TW PRV8 1-8		10	1230080000
TW PRV8 A-H		10	1230110000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000
BZT PRV8 SW 35X15		20	1173570000
BZT PRV8 BL 35X15		20	1267950000
BZT PRV8 SW 35X7.5		20	1173580000
BZT PRV8 BL 35X7.5		20	1267970000
TW PRV8		10	1173670000
TW PRV8 0-7		10	1230090000
TW PRV8 1-8		10	1230080000
TW PRV8 A-H		10	1230110000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

PRV 16 RT/WS

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

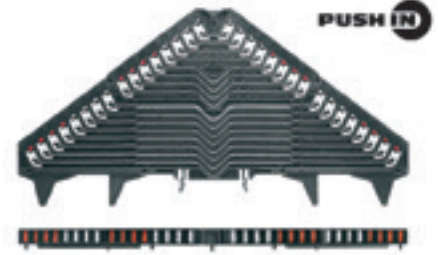
IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5	AWG 26...16		
			4 kV / 3
			/V-0

	<b>Rated connection</b>
	0.5...1.5 / 0.5...1.5
	0.5...1.5 / 0.5...1.5
	10 / 0.6 x 3.5 mm

PRV 16 WS/RT

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5	AWG 26...16		
			4 kV / 3
			/V-0

	<b>Rated connection</b>
	0.5...1.5 / 0.5...1.5
	0.5...1.5 / 0.5...1.5
	10 / 0.6 x 3.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

Ordering data

<b>Version</b>	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
<b>Note</b>	

Type	Qty.	Order No.
PRV 16 SW 35X15 RT/WS	20	1173620000
PRV 16 BL 35X15 RT/WS	20	1267790000
PRV 16 SW 35X7.5 RT/WS	20	1173680000
PRV 16 BL 35X7.5 RT/WS	20	1267810000
RT = red actuators WS = white actuators		

Type	Qty.	Order No.
PRV 16 SW 35X15 WS/RT	20	1173650000
PRV 16 BL 35X15 WS/RT	20	1267800000
PRV 16 SW 35X7.5 WS/RT	20	1173710000
PRV 16 BL 35X7.5 WS/RT	20	1267820000
RT = red actuators WS = white actuators		

Accessories

<b>End plate</b>	
	black
	blue
	grey
<b>Marker holder</b>	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5
<b>Partition plate</b>	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
<b>End bracket</b>	
	black
<b>Screwdriver</b>	
	Standard
<b>Pluggable cross-connection</b>	
	2-pole
<b>Identification systems</b>	

Type	current	Qty.	Order No.
BZT PRV16 SW 35X15		20	1173540000
BZT PRV16 BL 35X15		20	1267930000
BZT PRV16 SW 35X7.5		20	1173550000
BZT PRV16 BL 35X7.5		20	1267940000
TW PRV16		10	1173630000
TW PRV16 0-15		10	1230130000
TW PRV16 1-16		10	1230120000
TW PRV16 A-P		10	1230140000
WEW 35/1 SW		50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

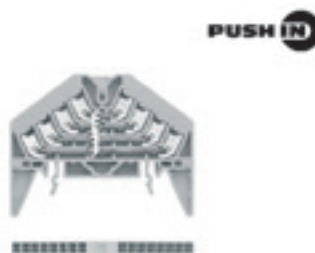
Type	current	Qty.	Order No.
BZT PRV16 SW 35X15		20	1173540000
BZT PRV16 BL 35X15		20	1267930000
BZT PRV16 SW 35X7.5		20	1173550000
BZT PRV16 BL 35X7.5		20	1267940000
TW PRV16		10	1173630000
TW PRV16 0-15		10	1230130000
TW PRV16 1-16		10	1230120000
TW PRV16 A-P		10	1230140000
WEW 35/1 SW		50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue



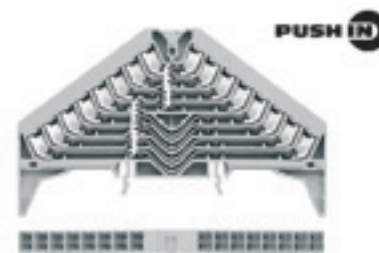
PPV 4

1.5 mm<sup>2</sup>



PPV 8

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 70 x 54.5	
/ 1.5	
0.13...1.5	

9.2 x 120 x 73	
/ 1.5	
0.13...1.5	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			

CE

Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

CE

Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

Note

Ordering data

Version	
	blue for TS 35x15
	grey for TS 35x15
	blue for TS 35x7.5
	grey for TS 35x7.5

Note

Type	Qty.	Order No.
PPV 4 BL 35X15 DGR	20	1267910000
PPV 4 GR 35X15 DGR	20	1173880000
PPV 4 BL 35X7.5 DGR	20	1267920000
PPV 4 GR 35X7.5 DGR	20	1173890000

DGR = dark grey actuators

Type	Qty.	Order No.
PPV 8 BL 35X15 DGR	20	1267870000
PPV 8 GR 35X15 DGR	20	1173850000
PPV 8 BL 35X7.5 DGR	20	1267880000
PPV 8 GR 35X7.5 DGR	20	1173870000

DGR = dark grey actuators

Accessories

End plate	
	black
	blue
	grey

Marker holder	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5

Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P

End bracket	
	black

Screwdriver	
	Standard

Pluggable cross-connection	
	2-pole

Identification systems	

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000

BZT PRV4 SW 35X15	20	1173590000
BZT PRV4 BL 35X15	20	1267980000
BZT PRV4 SW 35X7.5	20	1173600000
BZT PRV4 BL 35X7.5	20	1267990000

TW PRV4	10	1173700000
TW PRV4 0-3	10	1230060000
TW PRV4 1-4	10	1230050000
TW PRV4 A-D	10	1230070000

ZEW 35/2 SW	20	1162610000
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SDIS SL 0.6X3.5X100	1	1274660000
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SRC-I QV P	10	8870840000
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WS 7.8/9.2 PLUS MC NE GR	360	1208970000
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Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000

BZT PRV8 SW 35X15	20	1173570000
BZT PRV8 BL 35X15	20	1267950000
BZT PRV8 SW 35X7.5	20	1173580000
BZT PRV8 BL 35X7.5	20	1267970000

TW PRV8	10	1173670000
TW PRV8 0-7	10	1230090000
TW PRV8 1-8	10	1230080000
TW PRV8 A-H	10	1230110000

ZEW 35/2 SW	20	1162610000
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SDIS SL 0.6X3.5X100	1	1274660000
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SRC-I QV P	10	8870840000
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WS 7.8/9.2 PLUS MC NE GR	360	1208970000
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For detailed information on other accessories and application in the online catalogue



WMF 2.5 DI PE

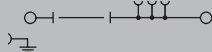
2.5 mm<sup>2</sup>



5.08 x 88 x 44.5

20 / 4

0.5...4



IEC	UL	CSA	EN 60079-7
	600	600	
20	19	19	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.5...0.6 Nm (M 3)

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WMF 2.5 DI PE	50	1143030000
WMF 2.5 DI PE BL	50	1270080000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5		50	1142990000
WEW 35/1		50	1059000000
SDS 0.6X3.5X100		10	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

**DCS marshalling**  
**Screw connection**

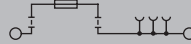
**B**

**WMF 2.5 FU**

**2.5 mm<sup>2</sup>**



5.08 x 88 x 74  
**6.3 / 4**  
**0.5...4**

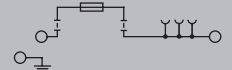


**WMF 2.5 FU PE**

**2.5 mm<sup>2</sup>**



5.08 x 88 x 74  
**6.3 / 4**  
**0.5...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section A  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	black Wemid
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED
Note	

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

IEC	UL	CSA	EN 60079-7
	600	600	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
Tightening torque range (terminal screw) 0.5...0.6 Nm (M 3)			
10 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
WMF 2.5 FU SW	50	1162920000
WMF 2.5 FU 10-36V SW	50	1162930000
WMF 2.5 FU 30-70V SW	50	1162940000
WMF 2.5 FU 60-150V SW	50	1162950000
WMF 2.5 FU 100-250V SW	50	1162960000
The WMF FU terminals may not be aligned directly under one another.		

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5			
AP WMF2.5		50	1142990000
WEW 35/2			
WEW 35/2		100	1061200000
SDS 0.6X3.5X100			
SDS 0.6X3.5X100		10	9008330000
SIHA 3/G20			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST			
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST			
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

IEC	UL	CSA	EN 60079-7
	600	600	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
Tightening torque range (terminal screw) 0.5...0.6 Nm (M 3)			
10 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
WMF 2.5 FU PE SW	50	1163040000
WMF 2.5 FU PE 10-36V SW	50	1163050000
WMF 2.5 FU PE 30-70V SW	50	1163060000
WMF 2.5 FU PE 60-150V SW	50	1163070000
WMF 2.5 FU PE 100-250V SW	50	1163080000
The WMF FU terminals may not be aligned directly under one another.		

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5			
AP WMF2.5		50	1142990000
WEW 35/2			
WEW 35/2		100	1061200000
SDS 0.6X3.5X100			
SDS 0.6X3.5X100		10	9008330000
SIHA 3/G20			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST			
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST			
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

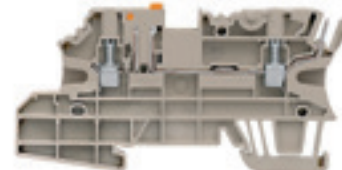
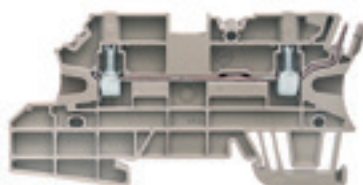
For detailed information on other accessories and application in the online catalogue

WMF 2.5 BLZ

2.5 mm<sup>2</sup>

WMF 2.5 DI BLZ

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.08 x 90 x 44.5	BLZ 5.08
<b>32 / 4</b>	
<b>0.5...4</b>	

5.08 x 90 x 44.5	BLZ 5.08
<b>20 / 4</b>	
<b>0.5...4</b>	

Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	20	26	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
20	19	19	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

<b>Rated connection</b>	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
Tightening torque range (terminal screw)	0.5...0.6 Nm (M 3)
10 / 0.6 x 3.5 mm	

<b>Rated connection</b>	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
Tightening torque range (terminal screw)	0.5...0.6 Nm (M 3)
10 / 0.6 x 3.5 mm	

**Note**

With BLZ plug the nominal current is reduced to 15.5 A.

With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

<b>Version</b>	dark beige Wemid
<b>Note</b>	

Type	Qty.	Order No.
WMF 2.5 BLZ	50	1143050000

Type	Qty.	Order No.
WMF 2.5 DI BLZ	50	1143000000

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Holder for cartridge fuse 5 x 20 mm</b>	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
<b>Module connector (max. 250 V)</b>	
	without fittings
	with wire jumper
	With 1N4007 diode
<b>Disconnect plug</b>	removable, as replacement for release lever
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5		50	1142990000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		10	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5		50	1142990000
WEW 35/1		50	1059000000
SDS 0.6X3.5X100		10	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

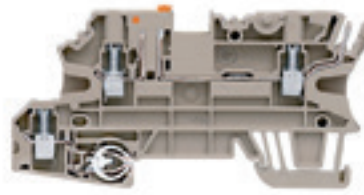
For detailed information on other accessories and application in the online catalogue

**DCS marshalling**  
**Screw connection**

**B**

**WMF 2.5 DI BLZ PE**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.08 x 90 x 44.5	BLZ 5.08
<b>20 / 4</b>	
<b>0.5...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
20	300	300	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE

<b>Rated connection</b>	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
Tightening torque range (terminal screw)	0.5...0.6 Nm (M 3)
10 / 0.6 x 3.5 mm	

With BLZ plug the nominal current is reduced to 15.5 A.

**Ordering data**

Version	dark beige Wemid
<b>Note</b>	

Type	Qty.	Order No.
WMF 2.5 DI BLZ PE	50	<b>1143010000</b>

**Accessories**

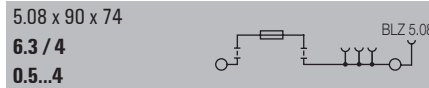
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	Standard
<b>Holder for cartridge fuse 5 x 20 mm</b>	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
<b>Module connector (max. 250 V)</b>	
	without fittings
	with wire jumper
	With 1N4007 diode
<b>Disconnect plug</b>	
	removable, as replacement for release lever
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
<b>AP WMF2.5</b>			
		50	<b>1142990000</b>
<b>WEW 35/1</b>			
		50	<b>1059000000</b>
<b>SDS 0.6X3.5X100</b>			
		10	<b>9008330000</b>
<b>SIHA 3/G20</b>			
		25	<b>7921560000</b>
		25	<b>7921570000</b>
		25	<b>7921600000</b>
		10	<b>1167630000</b>
		10	<b>1167640000</b>
		10	<b>1167680000</b>
<b>BEST</b>			
		50	<b>1833100000</b>
		50	<b>1878570000</b>
		50	<b>1878560000</b>
<b>TNST</b>			
		50	<b>1833090000</b>
<b>DEK 5/5 MC NE WS</b>			
		1000	<b>1609801044</b>
<b>WS 10/5 MC NE WS</b>			
		720	<b>1635000000</b>

For detailed information on other accessories and application in the online catalogue

WMF 2.5 FU BLZ

2.5 mm<sup>2</sup>



IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-3

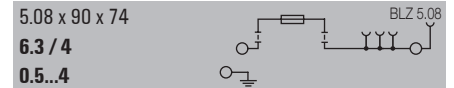
IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			



Rated connection	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.5...0.6 Nm (M 3)	
10 / 0.6 x 3.5 mm	

WMF 2.5 FU BLZ PE

2.5 mm<sup>2</sup>



IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			



Rated connection	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5
Tightening torque range (terminal screw) 0.5...0.6 Nm (M 3)	
10 / 0.6 x 3.5 mm	

Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	
	mm/-

Note

Ordering data

Version	
	black Wemid
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED
Note	

Accessories

Pluggable cross-connection		2-pole
		10-pole
End plate / Partition plate		dark beige
End bracket		dark beige
Screwdriver		Standard
Holder for cartridge fuse 5 x 20 mm		400 V AC/DC, without LED
		10 - 36 V AC/DC, red LED
		140 - 250 V AC/DC, red LED
Module connector (max. 250 V)		without fittings
		with wire jumper
		With 1N4007 diode
Disconnect plug		removable, as replacement for release lever
Identification systems		

Type	Qty.	Order No.
WMF 2.5 FU BLZ SW	50	1162980000
WMF 2.5 FU BLZ 10-36V SW	50	1162990000
WMF 2.5 FU BLZ 30-70V SW	50	1163000000
WMF 2.5 FU BLZ 60-150V SW	50	1163010000
WMF 2.5 FU BLZ 100-250V SW	50	1163020000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5			
		50	1142990000
WEW 35/1			
		50	1059000000
SDS 0.6X3.5X100			
		10	9008330000
SIHA 3/G20			
		25	7921560000
SIHA 3/G20/LD 10-36V			
		25	7921570000
SIHA 3/G20/LD 140-250V			
		25	7921600000
FUCR SW			
		10	1167630000
FUCR 10-36V SW			
		10	1167640000
FUCR 100-250V SW			
		10	1167680000
BEST			
		50	1833100000
BEST/DRBR			
		50	1878570000
BEST/D			
		50	1878560000
TNST			
		50	1833090000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/5 MC NE WS			
		720	1635000000

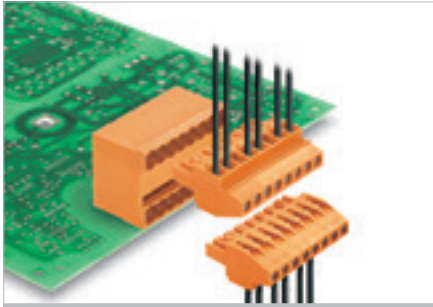
Type	Qty.	Order No.
WMF 2.5 FU BLZ PE SW	50	1162820000
WMF 2.5 FU BLZ PE 10-36V SW	50	1162830000
WMF 2.5 FU BLZ PE 30-70V SW	50	1162840000
WMF 2.5 FU BLZ PE 60-150V SW	50	1162850000
WMF 2.5 FU BLZ PE 100-250V SW	50	1162860000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5			
		50	1142990000
WEW 35/1			
		50	1059000000
SDS 0.6X3.5X100			
		10	9008330000
SIHA 3/G20			
		25	7921560000
SIHA 3/G20/LD 10-36V			
		25	7921570000
SIHA 3/G20/LD 140-250V			
		25	7921600000
FUCR SW			
		10	1167630000
FUCR 10-36V SW			
		10	1167640000
FUCR 100-250V SW			
		10	1167680000
BEST			
		50	1833100000
BEST/DRBR			
		50	1878570000
BEST/D			
		50	1878560000
TNST			
		50	1833090000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/5 MC NE WS			
		720	1635000000

For detailed information on other accessories and application in the online catalogue

DCS marshalling  
Accessories

BLZP 5.08HC../90



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

<b>In compliance with IEC 60664-1 / IEC 61984</b>		
Clamping range, max.	mm <sup>2</sup>	0.13...4
<b>Solid core H05(07) V-U</b>	mm <sup>2</sup>	<b>0.2...4</b>
Stranded H07 V-R		
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...4
Flexible with ferrule	mm <sup>2</sup>	0.2...4
Ferrule with plastic collar	mm <sup>2</sup>	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0
According to norm		
Tightening torque range	Nm	0.4...0.5
<b>Rated current, max.</b>	<b>A</b>	<b>23 21</b>
At ambient temperature		20°C 40°C
For conductor cross-section	mm <sup>2</sup>	4
Overvoltage category		III III II
Pollution severity		3 2 2
<b>Rated voltage</b>	<b>V</b>	<b>250 320 400</b>
Rated impulse voltage	kV	4 4 4
<b>UL / CUL (Use Group)</b>	<b>B C D</b>	<b>B C D</b>
<b>Rated voltage</b>	<b>V</b>	<b>300 300</b>
<b>Rated current</b>	<b>A</b>	<b>20 10</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>30-12</b>
<b>CSA (Use Group)</b>	<b>B C D</b>	<b>B C D</b>
Rated voltage	V	300 50 300
Rated current	A	20 20
AWG conductor	AWG	30-12
<b>General data</b>		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

5.08

90°



4 mm<sup>2</sup>

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm<sup>2</sup>  
UL: 300 V / 20 A / AWG 30 - 12



For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

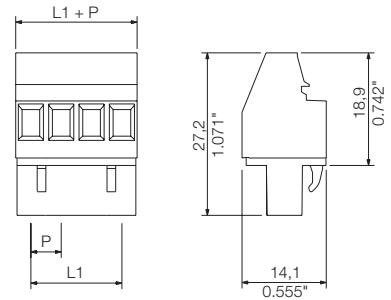
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../90



Dimensioned drawing



Accessories

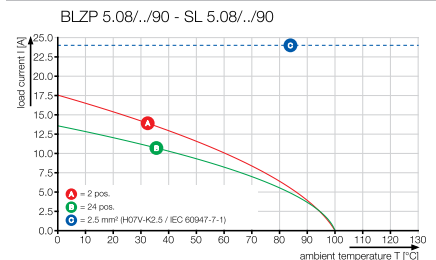
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR BX	1573010000
BLZ/SL KO BK BX	1545710000
<b>Screwdriver</b>	
SDS 0.6X3.5X100	9008330000
SDIS 0.6X3.5X100	9008390000
<b>Crosshead screwdriver</b>	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length		Orange	Black
Colour			
Pitch 5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.
2	5.08 0.200	180	1948000000 1948240000
4	15.24 0.600	90	1948020000 1948260000
6	25.40 1.000	60	1948040000 1948280000
8	35.56 1.400	42	1948060000 1948300000
12	55.88 2.200	30	1948110000 1948340000
16	76.20 3.000	18	1948150000 1948380000

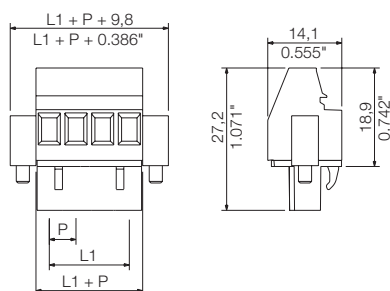
Representative deratings curve





**BLZP 5.08HC/./90F**

Dimensioned drawing

**Ordering data**

Solder pin length					
Colour		Orange	Black		
<b>Pitch 5.08 mm</b>					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1949800000	1950040000
4	15.24	0.600	60	1949820000	1950060000
6	25.40	1.000	42	1949840000	1950080000
8	35.56	1.400	36	1949860000	1950100000
12	55.88	2.200	24	1949900000	1950140000
16	76.20	3.000	18	1949940000	1950180000

**The 2-in-1 contact**

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



**IL WMF 2.5 BLZ OR**



Ordering data	Type	Qty.	Order No.
	IL WMF2.5 BLZ OR	50	1167440000



**WAD WMF 2.5**



Ordering data	Type	Qty.	Order No.
	WAD WMF2.5	50	1142970000



**WBB WMF 2.5 BLZ**



Ordering data	Type	Qty.	Order No.
	WBB WMF2.5 BLZ	10	1142980000



**AP WMF 2.5**



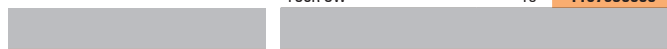
Ordering data	Type	Qty.	Order No.
	AP WMF2.5	50	1142990000



**FUCR SW**



Ordering data	Type	Qty.	Order No.
	FUCR 10-36V SW	10	1167640000
	FUCR 100-250V SW	10	1167680000
	FUCR 30-70V SW	10	1167650000
	FUCR 60-150V SW	10	1167670000
	FUCR SW	10	1167630000





## Safe, error-free plant operation

### Efficient shielding and earthing with Klippon® Connect

#### B



The safety and availability of plants must be guaranteed at all times. Careful planning and installation of safety functions play a particularly important role. For personnel protection, we offer a wide range of PE terminal blocks in different connection technologies. With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

#### **Our promise**

Klippon® Connect reliably guarantees the protection of personnel and machines and increases plant availability. You can improve your productivity and benefit from more efficient planning and increased safety during installation and operation.



**Safety**

- The spring system on the shield connection compensates for temperature-related fluctuations in pressure on the cable
- Reliable protection against transient overvoltage and electromagnetic fields
- Consistent contact pressure thanks to spring effect

**Space saving**

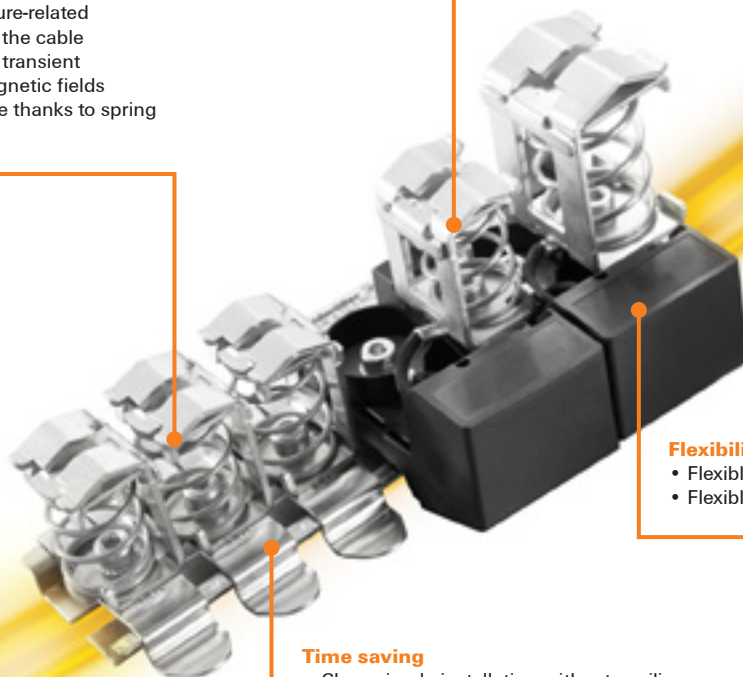
- Complete range for conductor diameters from 2 to 37 mm to meet all space requirements
- Perfect shielding thanks to comprehensive accessories

**Flexibility**

- Flexible mounting options
- Flexible adaptation to cable diameters

**Time saving**

- Clear, simple installation without auxiliary tools
- The right solution for every installation situation

**Our range****Shielding:**

Our complete range of KLBÜ shield connections, KHLA shield clamping saddles, SH 4C shield rail holders and KLBÜ RC shielding brackets allows simple and efficient installation of safe shielding systems.

**Protective earth (PE):**

We offer a wide range of green/yellow terminal blocks in screw connection, tension clamp and PUSH IN designs.

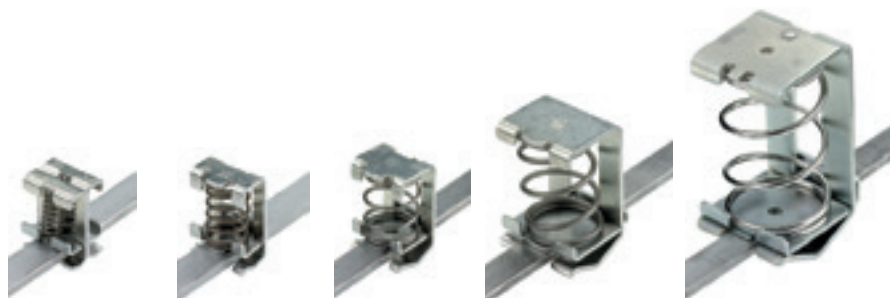
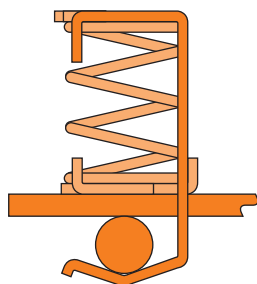
**Potential equalisation:**

Our JB 25-50 and EBB 25-50/16 potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

Shielding and earthing  
Shield clamping saddles

Clamping bracket

Cable attached to the busbar from below



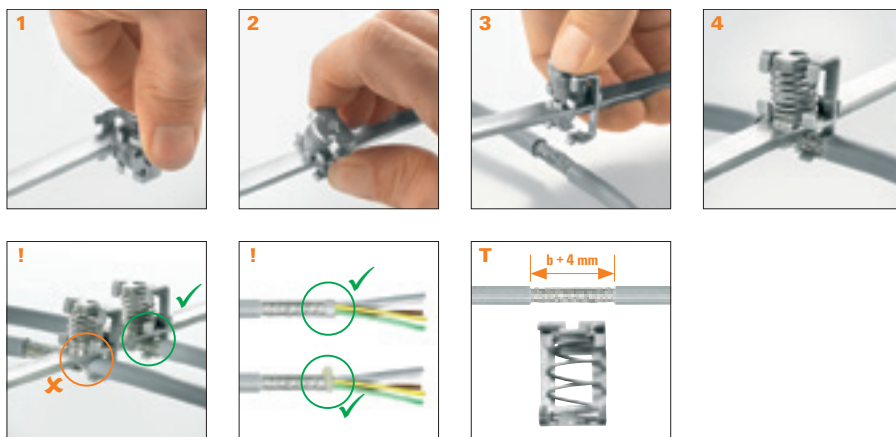
KLBÜ 2 x 2-6

KLBÜ 3-8

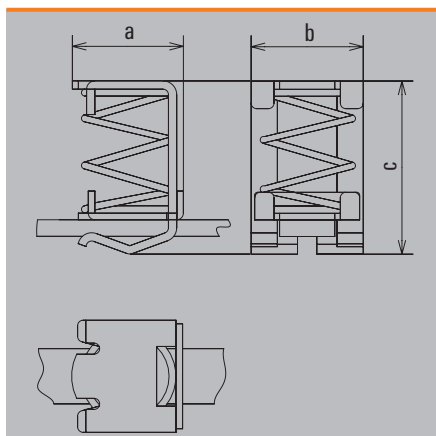
KLBÜ 4-13.5

KLBÜ 10-20

KLBÜ 15-32



KLBÜ



Ordering data

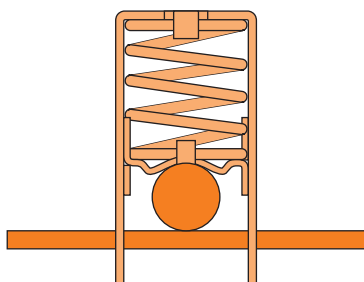
Type	for cable diameters	Dimensions (a x b x c) mm	Qty.	Order No.
<b>Clamping bracket</b>				
KLBUE 2X2-6	2...6 mm	15 / 18 / 24	10	1675350000
KLBUE 3-8	3...8 mm	14.5 / 18.5 / 26	10	1600480000
KLBUE 4-13.5	4...13.5 mm	20.5 / 22 / 31.5	10	1592810000
KLBUE 10-20	10...20 mm	24 / 26 / 40	10	1600490000
KLBUE 15-32	15...32 mm	33.5 / 32 / 64	10	1716300000

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

Note

### Clamping bracket

Cable attached to the busbar from above



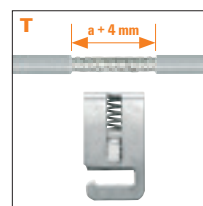
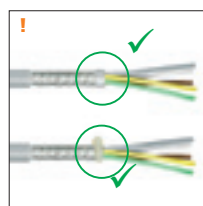
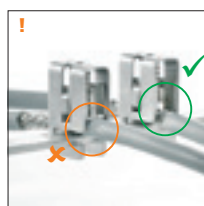
KLBÜ CO 1

KLBÜ CO 2

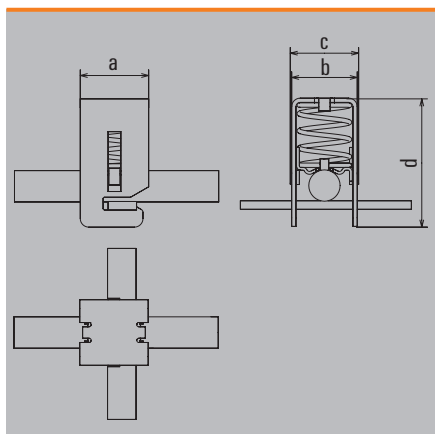
KLBÜ CO 3

KLBÜ CO 4

KLBÜ CO 5



### KLBÜ CO



### Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Clamping bracket</b>				
KLBUE CO 1	3...10 mm	18 / 12 / 13.2 / 32	10	1753311001
KLBUE CO 2	4...15 mm	18 / 20 / 21.1 / 41.6	10	1752131001
KLBUE CO 3	10...20 mm	25 / 23 / 24 / 45	10	1749151001
KLBUE CO 4	15...28 mm	32 / 31 / 25 / 56	10	1749161001
KLBUE CO 5	20...37 mm	35.5 / 40 / 42.7 / 64.5	10	1755081001

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

### Note

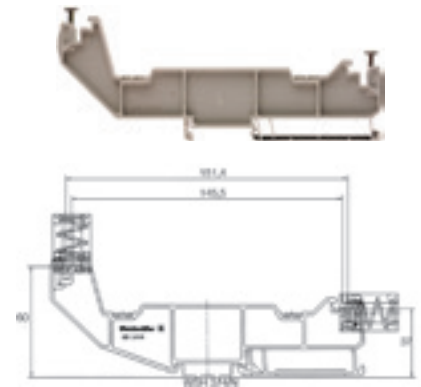
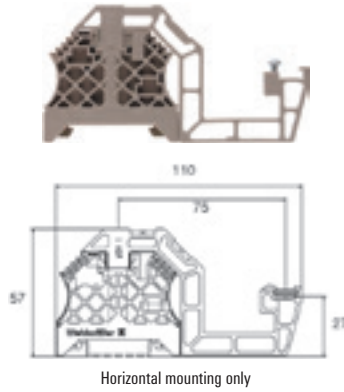
**Shielding and earthing  
Shield clamping saddles**

**Rail support**

Isolated mounting on TS 35

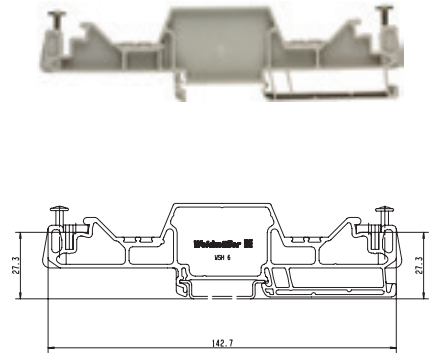
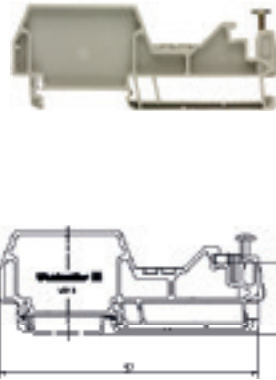
**Type WSH 1**

**Type WSH 3/H/N**



**Type WSH 5**

**Type WSH 6**



**WSH**

**Ordering data**

Type	Width	Qty.	Order No.
<b>Rail support</b>			
WSH 1	8 mm	10	1068700000
WSH 3/H/N	8 mm	10	1715970000
WSH 5	8 mm	10	1080100000
WSH 6	8 mm	10	1080200000

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

**Note**



### Rail support

Conductive mounting on TS 35

#### TS 35 clip



#### Busbar connector

BFEH 1/WSH



#### Angled rail

SMSE WSH U1MT



#### Angled rail

SMSE WSH 135/60 MT



#### Example assembly 1

- one busbar
- 2 x WSH 19 MT busbar support set



#### Example assembly 2

- two busbars
- 2 x WSH 18 MT busbar support sets



### WSH

#### Ordering data

Type	Dimensions (H x W x D) mm	Qty.	Order No.
<b>TS 35 clip</b>			
BS 35/WSH 2	52 / 13 / 37	10	1760720000
<b>Busbar connector</b>			
BFEH 1/WSH	20 / 13.5 / 31	10	1082400000
<b>Angled rail</b>			
SMSE WSH U1 MT	134 / 10 / 134	10	1083900000
SMSE WSH 135/60 MT	123.5 / 10 / 3	10	1246990000
<b>Rail support sets</b>			
WSH 18 MT		10	1083100000
WSH 19 MT		10	1083200000

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

#### Note

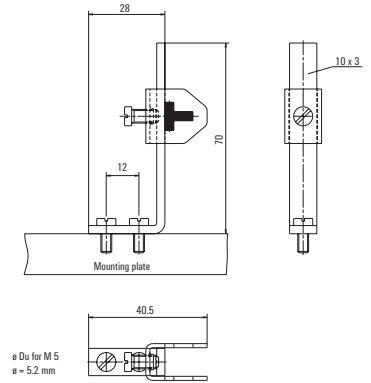
**Shielding and earthing**  
**Shield clamping saddles**

**Rail support / Spacer**

**Rail support**



- Set (WSH 4 MT) comprising:
- 1 busbar angle
  - 1 busbar connector (BFEH 1 / WSH)



**Spacer**



M6 outer and inner threads  
(in 15 mm, 20 mm and 30 mm lengths)



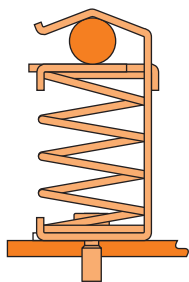
**WSH 4 MT / SP**

**Ordering data**

Type	Length	Qty.	Order No.
<b>Busbar support</b>			
WSH 4 MT		10	<b>1079900000</b>
<b>Spacer</b>			
SP M6 15 MSZN	15 mm	2	<b>3896100000</b>
SP M6 20 MSZN	20 mm	2	<b>3896200000</b>
SP M6 30 MSZN	30 mm	2	<b>3896300000</b>

**Note**

Clamping bracket



SCH-1-WB



KLBÜ 3-8 SC



KLBÜ 4-13,5 SC

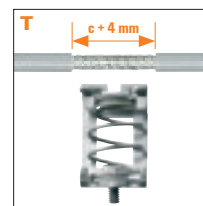
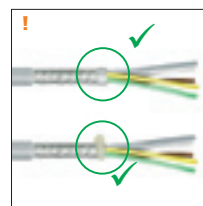
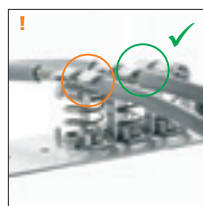
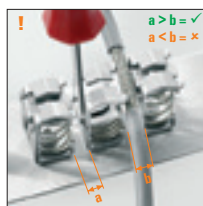
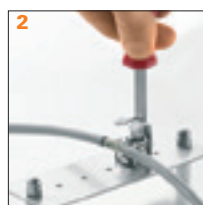
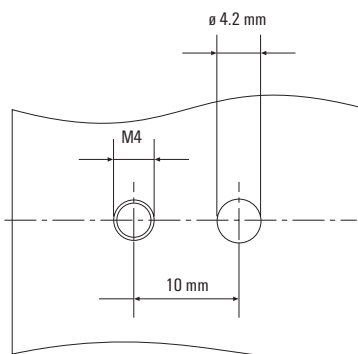


KLBÜ 10-20 SC

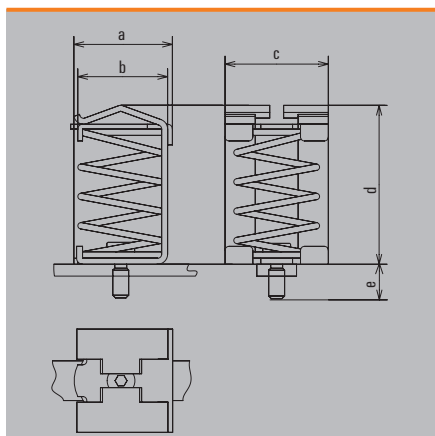


KLBÜ 15-32 SC

Drilling template KLBÜ 15-32 SC



KLBÜ SC



Ordering data

Type	for cable diameters	Length of thread	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Clamping bracket</b>					
SCH-1-WINBLOC				5	1739890000
KLBUE 3-8 SC	3...8 mm	5.65 mm	14.5 / / 18.5 / 26	10	1692261001
KLBUE 4-13.5 SC	4...13.5 mm	5.3 mm	20.1 / / 22 / 31.45	10	1712311001
KLBUE 10-20 SC	10...20 mm	5.3 mm	23.6 / / 26 / 40	10	1712321001
KLBUE 15-32 SC	15...32 mm	4.8 mm	33.25 / / 32 / 63.9	10	1718341001
<b>Self-tapping screw</b>					
KLBUE 3-8 SDSC	3...8 mm		14.4 / / 18 / 25.9	10	1835840000

Type	Qty.	Order No.
<b>Operating tool</b>		
BTWZ KLBUE	1	1742630000

Note

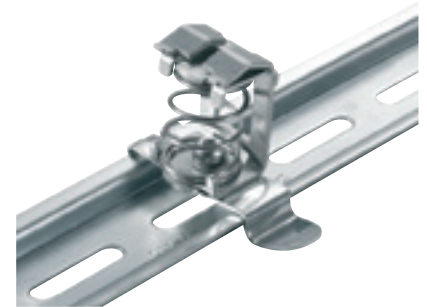
## Shielding and earthing Shield clamping saddles

### FM 4-foot / Clamping bracket holder

#### FM 4 foot



KLBÜ SC-type clamping brackets  
(see previous page)  
are screwed on to the **FM 4foot**



**KLBÜ 4-13.5 FM4**

### Clamping bracket holder



**BS 35 II (without KLBÜ)**

**BS 35 II / KLBÜ 3-8**

**BS 35 II / KLBÜ 3-8 / 2 x 2-6**

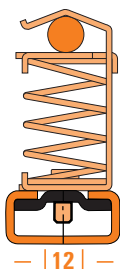
### FM 4 / BS 35 II

#### Ordering data

Type	for cable diameters	Qty.	Order No.
<b>FM 4 foot</b>			
FM 4/TS35		40	0687900000
<b>Clamping bracket fitted with FM 4 foot</b>			
KLBUE 3-8 FM4	3...8 mm	10	1252530000
KLBUE 4-13.5 FM4	4...13.5 mm	10	1252520000
KLBUE 10-20 FM4	10...20 mm	10	1252510000
KLBUE 15-32 FM4	15...32 mm	10	1252490000
<b>Clamping bracket holder</b>			
BS 35II KLBUE HOLDER		10	1723800000
BS 35II KLBUE3-8	3...8 mm	10	1723810000
BS 35II/KLBUE 4-13.5	4...13.5 mm	10	1723820000
BS 35II KLBUE3-8/2X2-6	3...8 mm	10	1749430000
BS 35II KLBUE2X3-8/2X2-6	3...8 mm	10	1768020000

#### Note

Clamping bracket



— | 12 | —



KLBÜ 3-8 CPF



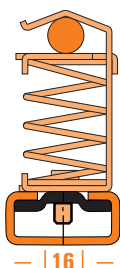
KLBÜ 4-13,5 CPF



KLBÜ 10-20 CPF



KLBÜ 15-32 CPF



— | 16 | —



KLBUE 3-8 CPF



KLBUE 4-13,5 CPF

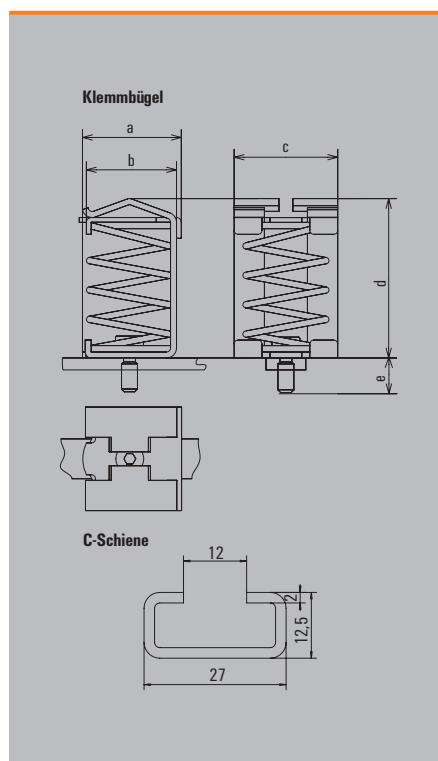


KLBUE 10-20 CPF



KLBUE 15-32 CPF

KLBÜ CPF



Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Type for 12 mm profile</b>				
KLBUE 3-8 CPF	3...8 mm	14.5 / 13.5 / 18 / 26	10	1752681001
KLBUE 4-13.5 CPF	4...13.5 mm	20.5 / 19 / 22 / 31.5	10	1752691001
KLBUE 10-20 CPF	10...20 mm	24 / 22.5 / 26 / 39.5	10	1752701001
KLBUE 15-32 CPF	15...32 mm	33.5 / 32 / 64	10	1752711001
<b>Type for 16 mm profile</b>				
KLBUE 4-13.5 CPF16	4...13.5 mm	20.1 / 18.9 / 22 / 31.45	10	1167850000
KLBUE 10-20 CPF16	10...20 mm	25 / 24 / 26 / 39.5	10	1252550000
KLBUE 15-32 CPF16	15...32 mm	34.5 / 33.5 / 32 / 64	10	1252540000

Type	Qty.	Order No.
<b>C-rail</b>		
TS 27X12.5M/ST/F.ZN	2	1802690000

Note

## Shielding and earthing Shield clamping saddles

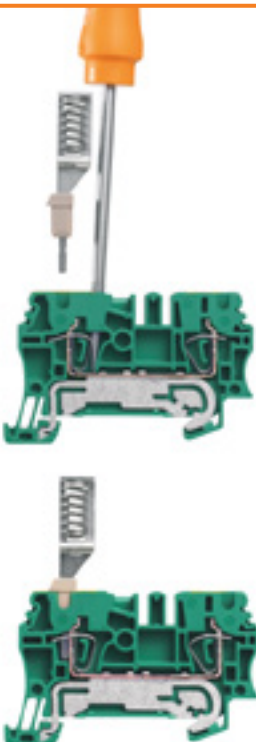
### Shielding solutions for direct connection



KLBÜ 4-6 Z/1



EMC-Set



### Ordering data

Type	for cable diameters	Qty.	Order No.
Type for 12 mm profile			
KLBUE 4-6 Z/1	4...6 mm	10	2269800000

Type	Qty.	Order No.
EMC-TIE	1	1067490000

**Note** suitable for Z series 2.5 mm<sup>2</sup>

### KLBUE 10-20 RC TS 27

Clamping bracket



### KLBUE 4-13.5 RC TS 27

Clamping bracket



Width/Height/Depth	mm
--------------------	----

39.6 x 67.5 x 63.6	
--------------------	--

37.5 x 67.5 x 55.6	
--------------------	--

#### Technical data

<b>Rated data</b>	
Rated voltage	230 VAC
<b>Conductors to be clamped:</b>	
Cable diameter, min.	10 mm
Cable diameter, max.	20 mm
<b>General data</b>	
Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	105 °C
UL 94 flammability rating	V-0
Colour	Black, Silver grey
Material	PA 66 GF 30
Component 1	Resistance 1 MΩ
Component 2	Capacitor 100 nF
Installation advice	Direct mounting
<b>Note</b>	

<b>Rated data</b>	
Rated voltage	230 VAC
<b>Conductors to be clamped:</b>	
Cable diameter, min.	4 mm
Cable diameter, max.	13.5 mm
<b>General data</b>	
Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	105 °C
UL 94 flammability rating	V-0
Colour	Black, Silver grey
Material	PA 66 GF 30
Component 1	Resistance 1 MΩ
Component 2	Capacitor 100 nF
Installation advice	Direct mounting
<b>Note</b>	

<b>Rated data</b>	
Rated voltage	230 VAC
<b>Conductors to be clamped:</b>	
Cable diameter, min.	4 mm
Cable diameter, max.	13.5 mm
<b>General data</b>	
Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	105 °C
UL 94 flammability rating	V-0
Colour	Black, Silver grey
Material	PA 66 GF 30
Component 1	Resistance 1 MΩ
Component 2	Capacitor 100 nF
Installation advice	Direct mounting
<b>Note</b>	

#### Ordering data

<b>Version</b>	
	for shield connection with high-pass filter
<b>Note</b>	

Type	Qty.	Order No.
KLBUE 10-20 RC TS27	1	1403050000

Type	Qty.	Order No.
KLBUE 4-13.5 RC TS27	1	1403060000

#### Accessories

<b>Terminal rail</b>	
<b>Identification systems</b>	
<b>Operating tool</b>	
<b>Tools</b>	
<b>Screwdriver</b>	Standard
<b>C-rail</b>	

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

For detailed information on other accessories and application in the online catalogue

### KLBLUE 3-8 RC TS 35

Clamping bracket



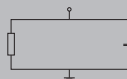
### KLBLUE 3-8 RC TS 27

Clamping bracket

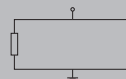


Width/Height/Depth mm

35 x 67.5 x 50



35 x 67.5 x 50



#### Technical data

<b>Rated data</b>	
Rated voltage	230 VAC
<b>Conductors to be clamped:</b>	
Cable diameter, min.	3 mm
Cable diameter, max.	8 mm
<b>General data</b>	
Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	105 °C
UL 94 flammability rating	V-0
Colour	Black, Silver grey
Material	PA 66 GF 30
Component 1	Resistance 1 MΩ
Component 2	Capacitor 100 nF
Installation advice	Direct mounting

Note

#### Ordering data

<b>Version</b>	
	for shield connection with high-pass filter
<b>Note</b>	

#### Accessories

<b>Terminal rail</b>	
<b>Identification systems</b>	
<b>Operating tool</b>	
<b>Tools</b>	
<b>Screwdriver</b>	Standard
<b>C-rail</b>	

Type	Qty.	Order No.
KLBLUE 3-8 RC TS35	1	1402830000

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000

Type	Qty.	Order No.
KLBLUE 3-8 RC TS27	1	1403070000

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

For detailed information on other accessories and application in the online catalogue

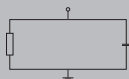


**KLBUE 10-20 RC TS 35**

Clamping bracket



39.6 x 67.5 x 63.6



230 VAC

10 mm

20 mm

-25 °C

105 °C

V-0

Black, Silver grey

PA 66 GF 30

Resistance 1 MΩ

Capacitor 100 nF

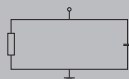
Direct mounting

**KLBUE 4-13.5 RC TS 35**

Clamping bracket



37.5 x 67.5 x 55.6



230 VAC

4 mm

13.5 mm

-25 °C

105 °C

V-0

Black, Silver grey

PA 66 GF 30

Resistance 1 MΩ

Capacitor 100 nF

Direct mounting

Type	Qty.	Order No.
KLBUE 10-20 RC TS35	1	1403080000

Type	Qty.	Order No.
KLBUE 4-13.5 RC TS35	1	1403090000

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		10	9008330000

**Shielding and earthing**  
**Tension clamp connection**

**B**

**ZTR 6-2 E**

**6 mm<sup>2</sup>**

**Operation mode**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 70 x 50	
<b>20 / 10</b>	
<b>0.05...10</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
230			
20			
6			
		8 kV / 3	
		A5 / V-0	
CE			
Rated connection			
0.5...10 / 0.5...6			
0.5...6 / 0.5...6			
12 / 0.6 x 3.5 mm			
Note			

**Ordering data**

Version	
	dark beige Wemid, 230 V UC
	dark beige Wemid, 24 V DC
Note	

Type	Qty.	Order No.
ZTR 6-2 E / 230V UC	10	<b>8817930000</b>
ZTR 6-2 E / 24V DC	10	<b>8817920000</b>
Note		

**Accessories**

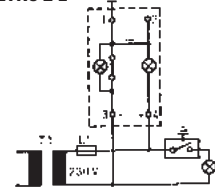
End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	With assembly peg
Screwdriver	Standard

Type	current	Qty.	Order No.
ZAP ZDU6-2		50	<b>1771440000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 7/ZA		25	<b>1780670000</b>
SDIS 0.6X3.5X100		10	<b>9008390000</b>
Note			

For detailed information on other accessories and application in the online catalogue

**Operating mode**

**ZTR6-2 E**

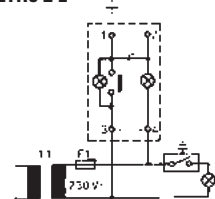


- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

**Test position**

When measuring insulation resistance with voltages greater than U<sub>Nom</sub>, the earth connection must first be disconnected.

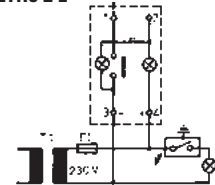
**ZTR6-2 E**



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than U<sub>Nom</sub>, the earth connection must be disconnected.

**Operational malfunction**

**ZTR6-2 E**



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

For detailed information on other accessories and application in the online catalogue

WTR 35 E

35 mm<sup>2</sup>

Operation mode



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

32 x 100 x 67.5	
<b>125 / 35</b>	
<b>4...35</b>	

### Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
125			
35			
		0.8 kV / 3	
		B9 / V-0	
Rated connection			
4...16 / 10...35			
4...35 / 4...35			
Tightening torque range (terminal screw) 4(M 6)			
18 / 1.2 x 6.5 mm			

Note

### Ordering data

Version	dark beige Wemid, 24 V
Note	

Type	Qty.	Order No.
WTR 35 E	5	1045970000

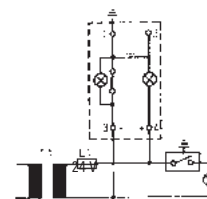
### Accessories

End bracket	dark beige
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

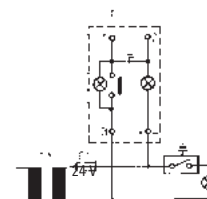
### Operating mode



- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

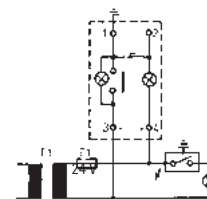
### Test position

When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must first be disconnected.



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must be disconnected.

### Operational malfunction

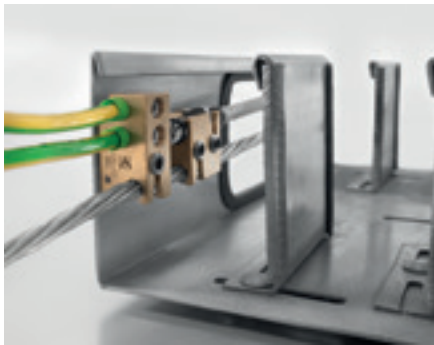


- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

## Shielding and earthing

### Screw connection

#### Potential equalisation terminal block



Low installation height



Additional connection up to 16 mm<sup>2</sup>



Good visibility of the clamping screws

#### Technical data

Connection direction	on side
Tightening torque, min.	5 Nm
Clamping screw	M 6
Connection cross-section, flexible, min. / max.	25...50 mm <sup>2</sup>

#### Note

#### Ordering data

Type	Stripping length	Number of connections	Conductor min. / max.	Qty.	Order No.
<b>Screw connection</b>					
JB 25-50	33	2	25...50	10	1547500000
EBB 25-50/16	20	3	16 / 25...50	10	1547490000

Type	Description of article	Qty.	Order No.
SK WSD-S 1,5-10,0	Screwing tool	1	9008850000

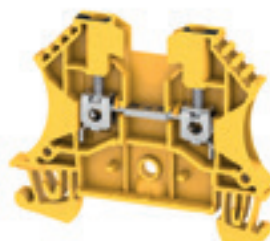
#### Note

WDU 2.5

2.5 mm<sup>2</sup>

WDU 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5	
<b>32 / 4</b>	
<b>0.05...4</b>	

6.1 x 60 x 46.5	
<b>41 / 6</b>	
<b>0.13...6</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			
32			
2.5			
	8 kV / 3		
	A3 / V-0		
Rated connection		Further connection	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.8 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
Rated connection		Further connection	
0.5...1.5 / 0.5...1.5			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800			690
32			28
4			4 mm <sup>2</sup>
	8 kV / 3		
	A4 / V-0		
CE		KEMA98ATEX1683U	
Rated connection		Further connection	
0.5...6 / 1.5...6			
0.5...6 / 0.5...4			
0.5...1 Nm (M 3)			
10 / 0.6 x 3.5 mm			
0.5...2.5			
0.5...1.5 / 0.5...1.5			
Note max. current of terminal (41 A) when using WQV!			

Ordering data

Version	
	yellow/black
Note	

Type	Qty.	Order No.
WDU 2.5 GE/SW	100	2429520000

Type	Qty.	Order No.
WDU 4 GE/SW	100	1020190000
Rated voltage is 400 V when using the ZQV cross-connector		

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
	With assembly peg
Cover	
	Blank, yellow
	Blank, white
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10	50		1050000000
WAP 2.5-10 BL	50		1050080000
WAP 16+35 WTW 2.5-10	20		1050100000
WAP 16+35 WTW 2.5-10 BL	20		1050180000
WEW 35/2	100		1061200000
WTA 2 WDU2.5-10	25		1632320000
WTA 2/ZA WDU2.5-10	25		1632330000
WAD 5 MC NE GE	48		1112920000
WAD 5 MC NE WS	48		1112910000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10	50		1050000000
WAP 2.5-10 BL	50		1050080000
WAP 16+35 WTW 2.5-10	20		1050100000
WAP 16+35 WTW 2.5-10 BL	20		1050180000
WEW 35/2	100		1061200000
WTA 3 WDU4	25		1632350000
WTA 3/ZA WDU4	25		1632360000
WAD 5 MC NE GE	48		1112920000
WAD 5 MC NE WS	48		1112910000
WS 12/6 MC NE WS	600		1609900000
DEK 5/6 MM WS	600		2007120000
WS 8/6 MM WS	600		2007160000

For detailed information on other accessories and application in the online catalogue

Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2.8 1056400000.

WDU 16

16 mm<sup>2</sup>



WDU 16N

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5
<b>101 / 25</b>
<b>0.82...25</b>

12 x 60 x 46.5
<b>101 / 25</b>
<b>1.5...25</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
76			
16			
		8 kV / 3	
		B7 / V-0	
Rated connection		Further connection	
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm (M 5)			
16 / 1.0 x 5.5 mm			
1.5...4 / 1.5...4			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
690	600		
76	70		
16	AWG 14...6		
		8 kV / 3	
		B7 / V-0	
Rated connection		Further connection	
1.5...16 / 1.5...25			
1.5...16 / 1.5...16			
1.2...2.4 Nm (M 4)			
12 / 1.0 x 5.5 mm			

Ordering data

Version	
	yellow/black
Note	

Type	Qty.	Order No.
WDU 16 GE/SW	50	2000040000

Type	Qty.	Order No.
WDU 16N GE/SW	50	2000050000

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Additional connection	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
Identification systems	
Testing / Checking	
	Standard

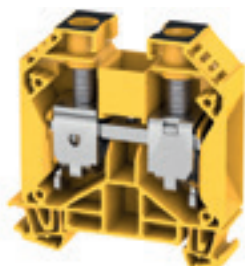
Type	current	Qty.	Order No.
WQV 16/2	76 A	50	1053260000
WQV 16/10	76 A	10	1053360000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 16N/2	76 A	50	1636560000
WQV 16N/4	76 A	50	1636580000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 12N GE BED		50	1073200000
WAD 12N WS		50	1073290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/12 MC NE WS		300	1905970000
WTA 2 WDU2.5-10		25	1632320000

For detailed information on other accessories and application in the online catalogue

WDU 35

35 mm<sup>2</sup>



16 x 60 x 62.5  
150 / 50  
2.5...50



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
125			
35			
8 kV / 3			
B8 / V-0			

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35 GE/SW	40	2000060000

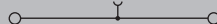
Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

WDU 35N

35 mm<sup>2</sup>



16 x 66 x 50.5  
150 / 50  
2.5...50



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
125			
35			
6 kV / 3			
B8 / V-0			

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35N GE/SW	20	2000090000

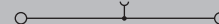
Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	1079200000
WQV 35N/4	101 A	20	1079400000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 16N GE BED		50	1083600000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

WDU 50N

50 mm<sup>2</sup>



18.5 x 70 x 69.6  
192 / 70  
10...70



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
150			
50			
8 kV / 3			
B10 / V-0			

Rated connection	Further connection
6...16 / 6...70	
10...50 / 6...50	
3.5...6 Nm (M 6)	
24 / S4 (DIN 6911)	

Type	Qty.	Order No.
WDU 50N GE/SW	10	2000080000

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

WDU 70N/35

70 mm<sup>2</sup>

WDU 95N/120N

120 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

20.5 x 75 x 85
<b>232 / 95</b>
<b>16...95</b>

27 x 91 x 90
<b>290 / 150</b>
<b>16...150</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000	600		
192	150		
70	AWG 6...0		
8 kV / 3			
B11 / V-0			
Rated connection			
Further connection			
16...16 / 16...95			
16...70 / 16...70			
8...12 Nm (M 8)			
22 / S6 (DIN 6911)			
Note			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
269			
120			
8 kV / 3			
B13 / V-0			
Rated connection		Further connection	
16...16 / 16...150			
16...120 / 16...95			
12...20 Nm (M 10)			
27 / S6 (DIN 6911)			
Note			

Ordering data

Version	yellow/black
Note	

Type	Qty.	Order No.
WDU 70N/35 GE/SW	10	2000100000
Note		

Type	Qty.	Order No.
WDU 95N/120N GE/SW	5	2000110000
Note		

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
End bracket	
dark beige	
Cover	
With lightning flash symbol	
Additional connection	
10 mm <sup>2</sup>	
Identification systems	

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
End bracket			
WEW 35/1		50	1059000000
Cover			
WAD 20 GE WSD		10	9512260000
Additional connection			
WZAD 70N		5	1964830000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	1826890000
WQV 95N/120N/3	269 A	5	1826900000
WQV 95N/120N/4	269 A	5	1826910000
End bracket			
WEW 35/1		50	1059000000
Cover			
WAD 20 GE WSD		10	9512260000
Additional connection			
WZAD 95N/120N		5	1859580000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

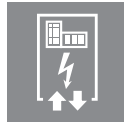




## Compact planning, structured wiring

Klippon® Connect makes your installation wiring more effective

### B



Installation wiring poses particular challenges in terms of the design of terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our terminal blocks for building installations meet all requirements here. For example, the PUSH IN technology allows a particularly compact design while retaining its clarity, thus enabling simple and safe wiring of your building infrastructure.

#### **Our promise**

Our terminal blocks open up added-value options when it comes to wiring your building infrastructure. Thanks to the wide product range and the comfortable handling of the PUSH IN terminal blocks, Klippon® Connect helps improve flexibility and efficiency even from the planning phase.



**Time saving**

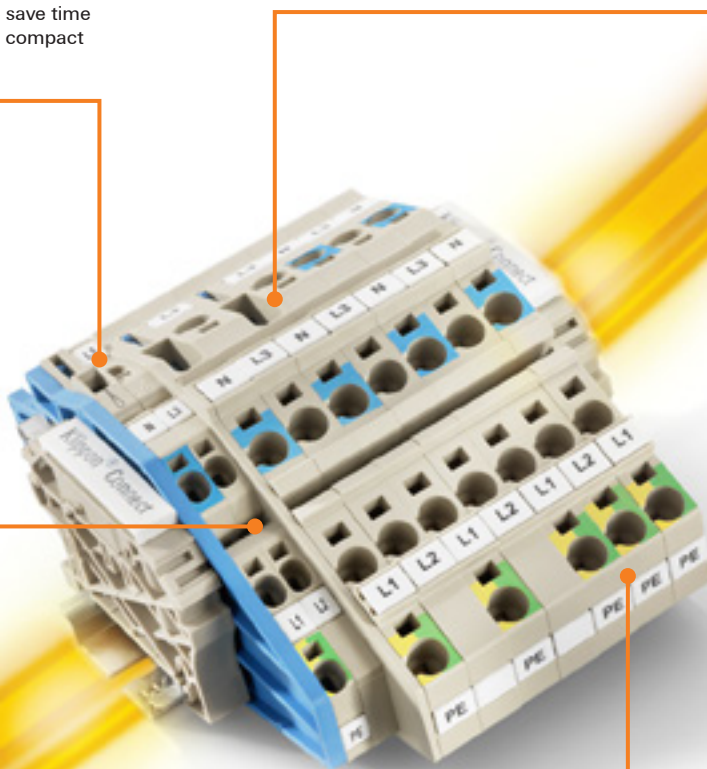
- Simple configuration and ordering of terminal strips using the Weidmüller Configurator
- More flexibility: it is simple to replace the PDL PUSH IN terminal blocks in the group
- The screwless N-separator slides to save time
- Cross-connections possible despite compact design

**Space saving**

- Really compact design of PUSH IN terminal blocks
- Neutral busbars for all terminals at the same level
- Simple handling: asymmetric structure of the PUSH IN terminal blocks enables a neutral conductor to be bypassed

**Flexibility**

- 3-phase cross-connection system with L1, L2 and L3 potentials within a terminal strip
- High current-carrying capacity despite compact size
- Thanks to the disconnecter slider, insulation can be tested without disconnecting the neutral connector



**Safety**

- Quick and safe: protection against accidental actuation
- PE contact foot with automatic contacting via terminal rail
- Single power circuit separation acc. to VDE 0100/718
- In compliance with VDE 0100/0810 wiring and connection requirements for distribution systems in public buildings

**Our range**



**The right solution for every requirement:**

For building installation, we offer a perfectly tailored overall system based on 10×3 copper rails. These consist of installation, distribution and neutral conductor terminals in various connection technologies and an extensive range of accessories.

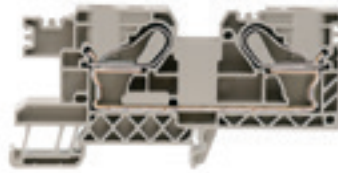


**More effective wiring with PUSH IN:**

Our PUSH IN terminal blocks for building and plant installation are impressively easy to handle and very flexible. This comprehensive range covers all the important terminal block functions and offers you significant benefits in all processes. You will benefit from reduced installation times, as well as increased performance data and clarity, thanks to the compact design.


PDU 16S

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 96.5 x 47.5
/ 16
2.5...16



### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
800			
76			
16			
	8 kV / 3		
	B6 / V-0		

Note

### Ordering data

Version
dark beige Wemid
Note

Type	Qty.	Order No.
PDU 16S	25	1139580000

### Accessories

Pluggable cross-connection	2-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP PDU16S		10	1139910000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

**PPE 16S**

**16 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 96.5 x 47.5
<b>/ 16</b>
<b>2.5...16</b>



**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
UL 94 flammability rating	
Approvals	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16			
800			
8			
	1920 A (16 mm <sup>2</sup> )		
	3		
	V-0		

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

Rated connection	
2.5...16	
2.5...16 / 2.5...16	
1.0 x 5.5 mm	

**Note**

**Ordering data**

Version	green/yellow Wemid
---------	--------------------

**Note**

Type	Qty.	Order No.
PPE 16S	10	<b>1139570000</b>

**Accessories**

Pluggable cross-connection	2-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	<b>1739690000</b>
PAP PDU16S		10	<b>1139910000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
PAD 16/4		80	<b>1916170000</b>
WS 10/12 MC NE WS		300	<b>1905970000</b>

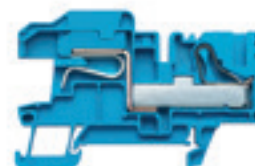
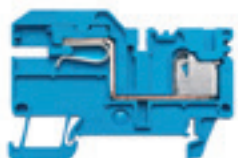
For detailed information on other accessories and application in the online catalogue

PNT 2.5/4

4 mm<sup>2</sup>

PNT 6/10

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 63.5 x 47.75	
/ 6	
0.08...6	

8.1 x 72.5 x 46	
/ 10	
1.5...10	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
32			
4			
	4 kV / 3		
	A3 / V-0		

CE (R)

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
10			
	8 kV / 3		
	A4 / V-0		

CE (R) (K2)

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	blue Wemid

Note

Type	Qty.	Order No.
PNT 2.5/4	50	1896360000

Type	Qty.	Order No.
PNT 6/10	25	1896370000

Accessories

Pluggable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
20-/24-pole	
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
PHP PNT 2.5/4		20	1896390000
PHP PNT 2.5/4 SO		20	1916790000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16K BL		50	0502880000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
ZQV 6N/20		20	1906240000
PHP PNT 6/10		10	1896100000
PHP PNT 6/10 SO		10	1919710000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16K BL		50	0502880000
ZB 35/M6X16		20	0266500000
WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

**PNT 16**

**16 mm<sup>2</sup>**



12.1 x 80.5 x 49.5  
 / 16  
 2.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
76			
16			
	8 kV / 3		
	B6 / V-0		

CE

**Rated connection**

2.5...16  
 2.5...16 / 2.5...16

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
PNT 16	10	1896350000

Type	current	Qty.	Order No.
PHP PNT16		10	1896380000
PHP PNT16 SO		10	1919690000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16K BL		50	0502880000
ZB 35/M6X16		20	0266500000
WS 10/12 MC NE WS		300	1905970000

PDL 4 N/L/PE

4 mm<sup>2</sup>

PDL 4 L/L/PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 100 x 48.35	
/ 4	
0.08...4	

5.1 x 100 x 48.5	
/ 4	
0.08...4	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
400	300	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			

IEC	UL	CSA	EN 60079-7
400	300	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

Note

Ordering data

Version	
	dark beige Wemid
Note	

Type	Qty.	Order No.
PDL 4/N/L/PE	50	1899180000

Type	Qty.	Order No.
PDL 4/L/L/PE	50	1882610000

Accessories

Pluggable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue



PDL 4 L/L

4 mm<sup>2</sup>

PDL 4 NT/L/PE

4 mm<sup>2</sup>

PDL 4 NT/L

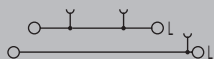
4 mm<sup>2</sup>

Application range

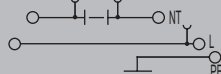
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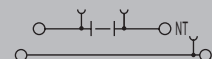
5.1 x 100 x 48.5  
/ 4  
0.08...4



5.1 x 100 x 48.35  
/ 4  
0.08...4



5.1 x 100 x 48.35  
/ 4  
0.08...4



IEC	UL	CSA	EN 60079-7
400	150	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			

CE CB eNEB R

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			

CE CB eNEB R

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			

CE CB eNEB R

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/L/L	50	1882590000

Type	Qty.	Order No.
PDL 4/NT/L/PE	50	1882620000

Type	Qty.	Order No.
PDL 4/NT/L	50	1882600000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

**Building installation wiring**  
**PUSH IN connection**

**B**

**PDL 4 S/L**

**4 mm<sup>2</sup>**

**PDL 4 S/N/L/PE**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
Note			

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
Note			

**Ordering data**

Version	dark beige Wemid
Note	

Type	Qty.	Order No.
PDL 4 S/L	50	<b>1847610000</b>
Note		

Type	Qty.	Order No.
PDL 4 S/N/L/PE	50	<b>1837050000</b>
Note		

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

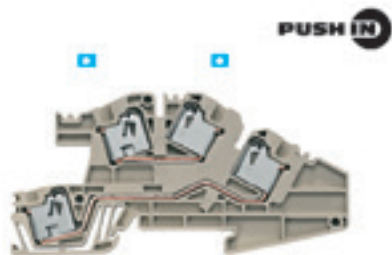
Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PDL4S		20	<b>1837070000</b>
PHP PDL		20	<b>1837090000</b>
PHP PDL SO		20	<b>1837080000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIS 0.4X2.5X75		1	<b>9008370000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PDL4S		20	<b>1837070000</b>
PHP PDL		20	<b>1837090000</b>
PHP PDL SO		20	<b>1837080000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIS 0.4X2.5X75		1	<b>9008370000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

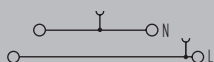
For detailed information on other accessories and application in the online catalogue

PDL 4 S/N/L

4 mm<sup>2</sup>



5.1 x 100 x 48  
36 / 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 kV / 3			
A3 / V-0			

CE KEC

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/N/L	50	1847630000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 S/N

4 mm<sup>2</sup>



5.1 x 100 x 48  
36 / 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 kV / 3			
A3 / V-0			

CE KEC

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/N	50	1847620000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

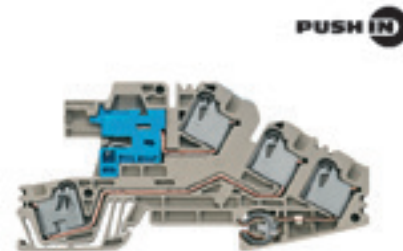
PDL 4 S/L/L/PE

4 mm<sup>2</sup>



PDL 4 S/NT/L/PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	dark beige Wemid
Note	

Type	Qty.	Order No.
PDL 4 S/L/L/PE	50	1837040000

Type	Qty.	Order No.
PDL 4 S/NT/L/PE	50	1837060000

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

PDL 4 S/L/L

4 mm<sup>2</sup>



5.1 x 100 x 48  
36 / 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
		6 kV / 3	
		A3 / V-0	

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/L/L	50	1837030000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

PDL 6 S/L/L/PE

6 mm<sup>2</sup>

PDL 6 S/L/L

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 118.5 x 52.5
/ 6
1.5...6

8.1 x 118.5 x 52.5
/ 6
1.5...6

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			
Note			

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			
Note			

Ordering data

Version
Note

Type	Qty.	Order No.
PDL 6 S/L/L/PE	25	1411330000
Note		

Type	Qty.	Order No.
PDL 6 S/L/L	25	1411310000
Note		

Accessories

Pluggable cross-connection	
2-pole	
3-pole	
4-pole	
20-/24-pole	
End bracket	
	black
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE		10	1733640000
	current		
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE		10	1733640000
	current		
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

For detailed information on other accessories and application in the online catalogue

**PDL 6 S/NT/L/PE**

**6 mm<sup>2</sup>**

**PDL 6 S/N/L/PE**

**6 mm<sup>2</sup>**



8.1 x 118.5 x 52.5  
/ 6  
1.5...6

8.1 x 118.5 x 52.5  
/ 6  
1.5...6

IEC	UL	CSA	EN 60079-7
400			
39			
6			
6 kV / 3 / V-0			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

IEC	UL	CSA	EN 60079-7
400			
41			
6			
6 kV / 3 / V-0			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

Type	Qty.	Order No.
PDL 6 S/NT/L/PE	25	1411320000

Type	Qty.	Order No.
PDL 6 S/N/L/PE	25	1411340000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE		10	1733640000
	current		
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE		10	1733640000
	current		
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

**Building installation wiring**  
**Tension clamp connection**

**B**

**ZDU 2.5 S**

**2.5 mm<sup>2</sup>**

**ZDU 4 S**

**4 mm<sup>2</sup>**

Two connections

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 61 x 43.15	
<b>24 / 4</b>	
<b>0.5...4</b>	

6.1 x 64.2 x 45.5	
<b>32 / 6</b>	
<b>0.5...6</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
24			
2.5			
	6 kV / 3		
	A2 / V-0		
C€			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		
C€			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

**Ordering data**

Version	
	dark beige Wemid
	blue Wemid
Note	

Type	Qty.	Order No.
ZDU 2.5 S	100	<b>1808010000</b>
ZDU 2.5 S BL	100	<b>1808020000</b>
The distance from holding plate to holding plate should be 200 mm.		

Type	Qty.	Order No.
ZDU 4 S	100	<b>1808360000</b>
ZDU 4 S BL	100	<b>1808370000</b>
The distance from holding plate to holding plate should be 200 mm.		

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / Partition plate	
	dark beige
	Blue
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZQV 2.5/20	24 A	20	<b>1908960000</b>
ZAP ZDU 2.5 S			
		20	<b>1808030000</b>
ZAP ZDU 2.5 S BL			
		20	<b>1808040000</b>
ZHP S			
		20	<b>1808290000</b>
ZHP S SO			
		20	<b>1808280000</b>
ZEW 35			
		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125			
		1	<b>1274680000</b>
DEK 5/5 MC NE WS			
		1000	<b>1609801044</b>
WS 10/5 MC NE WS			
		720	<b>1635000000</b>

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/3 GE	32 A	60	<b>1608960000</b>
ZQV 4/4 GE	32 A	60	<b>1608970000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZQV 4/20 GE	32 A	20	<b>1909010000</b>
ZAP ZDU 4 S			
		20	<b>1808380000</b>
ZAP ZDU 4 S BL			
		20	<b>1808390000</b>
ZHP S			
		20	<b>1808290000</b>
ZHP S SO			
		20	<b>1808280000</b>
ZEW 35			
		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100			
		1	<b>1274660000</b>
DEK 5/5 MC NE WS			
		1000	<b>1609801044</b>
WS 10/6 MC NE WS			
		600	<b>1828450000</b>

For detailed information on other accessories and application in the online catalogue



**ZDU 6S**

**6 mm<sup>2</sup>**

Two connections



8.1 x 64.35 x 49.2  
41 / 10  
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	A5 / V-0		

CE

**Rated connection**

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 6 S	100	1808230000
ZDU 6 S BL	100	1808240000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZAP ZDU 6 S		20	1808250000
ZAP ZDU 6 S BL		20	1808260000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

**ZDU 10/S**

**10 mm<sup>2</sup>**

Two connections



10 x 86.5 x 48  
76 / 16  
1.3...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	60	55	
10	AWG 16...6	AWG 16...6	
	6 kV / 3		
	A6 / V-0		

CE

**Rated connection**

1.5...16 / 1.5...16  
1.5...10 / 1.5...10

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10S	25	1739540000
ZDU 10S BL	25	1739550000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 10/2		25	1739680000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044

**ZDU 16/S**

**16 mm<sup>2</sup>**

Two connections



12 x 95 x 48  
76 / 25  
1.5...25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	65	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

CE

**Rated connection**

1.5...16 / 16...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 16S	25	1739580000
ZDU 16S BL	25	1739590000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044

ZPE 2.5 S

2.5 mm<sup>2</sup>

Two connections



ZPE 4 S

4 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 62.5 x 43.15
/ 4
0.5...4

6.1 x 65.5 x 45.5
/ 6
0.5...6

Technical data

Rated data	
Rated voltage	V
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-2			
IEC	UL	CSA	EN 60079-7
400			
2.5			
6 kV		/ 3	
A2 / V-0			
C €			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10		/ 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

IEC 60947-2			
IEC	UL	CSA	EN 60079-7
400			
4			
6 kV		/ 3	
A3 / V-0			
C €			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10		/ 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Ordering data

Version	
	green/yellow Wemid
<b>Note</b>	

Type	Qty.	Order No.
ZPE 2.5 S	100	1808330000
The distance from holding plate to holding plate should be 200 mm.		

Type	Qty.	Order No.
ZPE 4 S	100	1808340000
The distance from holding plate to holding plate should be 200 mm.		

Accessories

End plate / Partition plate	dark beige
Support bracket for 10 x 3 (required every 20 cm)	Blue For a vertical installation position
End bracket	dark beige
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
ZAP ZDU 2.5 S		20	1808030000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000

Type	current	Qty.	Order No.
ZAP ZDU 4 S		20	1808380000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS	1000		1609820000
WS 10/6 MC NE WS	600		1828450000

For detailed information on other accessories and application in the online catalogue

ZPE 6 S

6 mm<sup>2</sup>

Two connections



8.1 x 65.5 x 49.2  
/ 10  
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
6			
6 kV		/3	
A5 / V-0			

CE

Rated connection	
0.5...10	
0.5...10 / 0.5...6	

12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 6 S	100	1808350000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU 6 S		20	1808250000
ZHP S		20	1808290000
ZHP S SD		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/8 MC NE WS	800		1856740000
WS 10/6 MC NE WS	600		1828450000

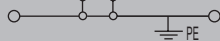
ZPE 10/S

10 mm<sup>2</sup>

Two connections



10 x 86.5 x 48  
/ 16  
1.3...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
10	AWG 16...6	AWG 16...6	
6 kV		/3	
A6 / V-0			

CE

Rated connection	
1.5...16 / 1.5...16	
1.5...10 / 1.5...10	

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 10S	25	1739570000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000

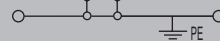
ZPE 16/S

16 mm<sup>2</sup>

Two connections



12 x 95 x 48  
/ 25  
1.5...25



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
16	AWG 14...6	AWG 14...4	
6 kV		/3	
A7 / V-0			

CE

Rated connection	
1.5...16 / 16...25	
1.5...16 / 1.5...16	

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16S	25	1739610000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044

**Building installation wiring**  
**Tension clamp connection**

**B**

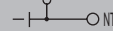
**ZNT 6 S**

**6 mm<sup>2</sup>**

Two connections



8.1 x 64.35 x 49.2  
**41 / 10**  
**0.5...10**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
	4 kV / 3		
	A5 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
0.5...10			
0.5...10 / 0.5...6			
12 / 0.6 x 3.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

Version	
	dark beige Wemid
	blue Wemid
<b>Note</b>	

**Accessories**

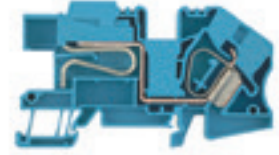
<b>Pluggable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	20-/24-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>Support bracket for 10 x 3 (required every 20 cm)</b>	
	Blue
	For a vertical installation position
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Busbar 10 x 3 (140 A)</b>	Ok, busbar up to Ok, TS 35 = 25.5 mm
<b>Clamping yoke for power supply to 10 x 3 busbars</b>	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

**ZNT 10 S**

**10 mm<sup>2</sup>**

Two connections



10 x 86.5 x 49.5  
**/ 16**  
**1.3...16**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	55	55	
10	AWG 16...6	AWG 16...6	
	6 kV / 3		
	A6 / V-0		
<b>CE</b>			
<b>Rated connection</b>			
1.5...16 / 1.5...16			
1.5...10 / 1.5...10			
18 / 1.0 x 5.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Type	Qty.	Order No.
ZNT 10S	25	1739560000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

**ZNT 16/S**

**16 mm<sup>2</sup>**

Two connections



12 x 95 x 49.5  
**76 / 25**  
**1.5...25**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	58	65	
16	AWG 14...4	AWG 14...4	
6 kV / 3			
A7 / V-0			

CE

**Rated connection**

1.5...16 / 16...25  
1.5...16 / 1.5...16

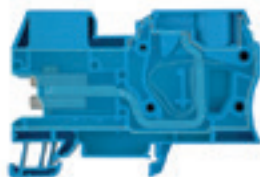
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

**ZNT 35**

**35 mm<sup>2</sup>**

Two connections



16 x 88.5 x 58.5  
**125 / 35**  
**2.5...35**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
125	120	120	
35	AWG 12...2	AWG 12...2	
6 kV / 3			
A8 / V-0			

CE

**Rated connection**

2.5...10 / 16...35  
2.5...35 / 2.5...35

25 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 16S	25	<b>1739600000</b>
The distance from holding plate to holding plate should be 200 mm.		

Type	Qty.	Order No.
ZNT 35	10	<b>1739640000</b>
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	<b>1739690000</b>
ZAP ZDU10/16S		20	<b>1739660000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4K BL		50	<b>0475380000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Type	current	Qty.	Order No.
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4K BL		50	<b>0475380000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35K BL M6X16		20	<b>0502680000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

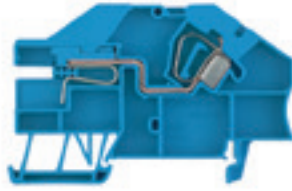
Integrated end plate.

**Building installation wiring**  
**Tension clamp connection**

**B**

**ZDU 4 NT** **4 mm<sup>2</sup>**

Modified busbar position



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 78.5 x 49.5	
<b>32 / 6</b>	
<b>0.13...6</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	dark beige Wemid blue Wemid
Note	

**Accessories**

Pluggable cross-connection		2-pole 3-pole 4-pole 20-/24-pole
End plate / Partition plate		dark beige Blue
Support bracket for 10 x 3 (required every 20 cm)		Blue For a vertical installation position
End bracket		dark beige
Screwdriver		Standard
Busbar 10 x 3 (140 A)		Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars		Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup> Rigid / flexible 6 - 16 mm <sup>2</sup> Flexible 16 - 35 mm <sup>2</sup>
Identification systems		

For detailed information on other accessories and application in the online catalogue

**ZDU 10 NT** **10 mm<sup>2</sup>**

Modified busbar position



10 x 86.5 x 49.5	
<b>57 / 16</b>	
<b>1.5...16</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
57			
10			
	4 kV / 3		
	A4 / V-0		

CE

Rated connection	
1.5...10 / 1.5...16	
1.5...10 / 1.5...10	
18 / 1.0 x 5.5 mm	

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
32			
4			
	4 kV / 3		
	A4 / V-0		

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 4/NT DB	50	<b>1778080000</b>
ZDU 4/NT	50	<b>1757980000</b>

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type	Qty.	Order No.
ZDU 10/NT	25	<b>1762420000</b>

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type	current	Qty.	Order No.
ZAP ZDU4/NT		20	<b>1757970000</b>
ZHP ZDU4/NT SO		20	<b>1803890000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4K BL		50	<b>0475380000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35K BL M6X16		20	<b>0502680000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>

Type	current	Qty.	Order No.
ZQV 10/2		25	<b>1739680000</b>
ZAP ZDU10/16S		20	<b>1739660000</b>
ZHP ZDU4/NT SO		20	<b>1803890000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4K BL		50	<b>0475380000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35K BL M6X16		20	<b>0502680000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

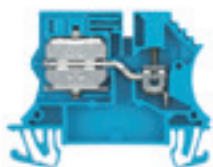


WNT 2.5

2.5 mm<sup>2</sup>

WNT 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5	
<b>32 / 4</b>	NT
<b>0.13...4</b>	

6.1 x 60 x 46.5	
<b>41 / 6</b>	NT
<b>0.13...6</b>	

Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>Note</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
24	25	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE CB (R) (N) (UL)			
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
Tightening torque, N-isolator 0.4...0.6 Nm			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
32	35	25	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A4 / V-0			
CE CB (R) (N) (UL)			
<b>Rated connection</b>			
0.5...6 / 1.5...6			
0.5...6 / 0.5...4			
Tightening torque range (terminal screw) 0.5...1 Nm (M 3)			
10 / 0.6 x 3.5 mm			
Tightening torque, N-isolator 0.4...0.8 Nm			

Ordering data

<b>Version</b>	
	dark beige Wemid
	blue Wemid
<b>Note</b>	

Type	Qty.	Order No.
WNT 2.5 10X3 BE	100	1010600000
WNT 2.5 10X3	100	1010680000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	Qty.	Order No.
WNT 4 10X3	100	1010780000

Accessories

<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>Support bracket for 10 x 3 (required every 20 cm)</b>	
	Blue
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	With „swiftly set“ cutting device
	Standard
<b>Busbar 10 x 3 (140 A)</b>	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
<b>Clamping yoke for power supply to 10 x 3 busbars</b>	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
<b>Identification systems</b>	

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

For detailed information on other accessories and application in the online catalogue

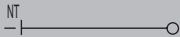


WNT 6

6 mm<sup>2</sup>



7.9 x 60 x 46.5  
57 / 10  
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
41	45	35	
6	AWG 20...8	AWG 26...8	
6 kV / 3			
A5 / V-0			



Rated connection

0.5...10 / 1.5...10

0.5...10 / 0.5...6

Tightening torque range (terminal screw) 0.8...1.2 Nm (M 3.5)

12 / 4.0 x 0.8 mm

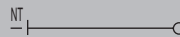
Tightening torque, N-isolator 0.8...1.6 Nm

WNT 10

10 mm<sup>2</sup>



9.9 x 60 x 46.5  
76 / 16  
1.31...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
57	60	50	
10	AWG 16...8	AWG 16...6	
6 kV / 3			
B6 / V-0			



Rated connection

1.5...16 / 1.5...16

1.5...16 / 1.5...16

Tightening torque range (terminal screw) 1.2...2 Nm (M 4)

12 / 1.0 x 5.5 mm

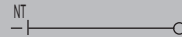
Tightening torque, N-isolator 0.8...1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

WNT 16N

16 mm<sup>2</sup>



12 x 60 x 46.5  
101 / 25  
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
76	65	65	
16	AWG 14...6	AWG 14...6	
6 kV / 3			
B7 / V-0			



Rated connection

1.5...16 / 1.5...25

1.5...16 / 1.5...16

Tightening torque range (terminal screw) 1.2...2.2 Nm (M 4)

12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8...1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 6 10X3	50	1010880000

Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

Type	Qty.	Order No.
WNT 16N 10X3	50	1019000000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		10	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

**WNT 35N**

**35 mm<sup>2</sup>**

Compact design



**WNT 70N**

**70 mm<sup>2</sup>**

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

16 x 66 x 50.5	
<b>140 / 50</b>	
<b>2.5...50</b>	

20.5 x 75 x 85	
<b>140 / 95</b>	
<b>10...95</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
<b>Note</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
125			
35			
6 kV / 3			
B8 / V-0			
<b>CE</b>			
<b>Rated connection</b>			
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
Tightening torque range (terminal screw) 4...5 Nm (M 6)			
18 / 6.5 x 1.2 mm			
The tightening torque for 16 - 50 mm <sup>2</sup> stranded conductors is 4.5 Nm. Tightening torque for N-isolator: 1.2...2.4 Nm			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
140	600		
70	175		
	AWG 6...0		
6 kV / 3			
B11 / V-0			
<b>CE</b>			
<b>Rated connection</b>			
10...16 / 10...95			
10...70 / 10...70			
Tightening torque range (terminal screw) 6...12 Nm (M 8)			
22 / S6 (DIN 6911)			
Tightening torque, N-isolator 2.5..5.0 Nm			

**Ordering data**

<b>Version</b>	
	dark beige Wemid
	blue Wemid
<b>Note</b>	

Type	Qty.	Order No.
WNT 35N 10X3	20	<b>1718550000</b>

Type	Qty.	Order No.
WNT 70N/35	10	<b>9512210000</b>

**Accessories**

<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>Support bracket for 10 x 3 (required every 20 cm)</b>	Blue
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	With „swifty set“ cutting device
	Standard
<b>Busbar 10 x 3 (140 A)</b>	Ok, busbar up to Ok, TS 35 = 25.5 mm
<b>Clamping yoke for power supply to 10 x 3 busbars</b>	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
<b>Identification systems</b>	

Type	current	Qty.	Order No.
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WHP 2.5-35N/10x3 BL		20	<b>1050280000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

Type	current	Qty.	Order No.
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WHP 2.5-35N/10x3 BL		20	<b>1050280000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		10	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

Refer to the „W-series Accessories“ section for PEN bridges.

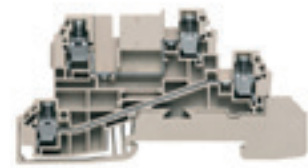


WDL 2.5/NT/L/PE

2.5 mm<sup>2</sup>

WDL 2.5/L/L

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

6.1 x 90 x 48	
<b>32 / 4</b>	
<b>0.13...4</b>	

6.1 x 90 x 48	
<b>32 / 4</b>	
<b>0.13...4</b>	

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3, A4 / V-0			

CE

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-

Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Ordering data

Version	dark beige Wemid
Note	

Type	Qty.	Order No.
WDL 2.5/NT/L/PE	50	1029800000
PE connection is marked green-yellow		

Type	Qty.	Order No.
WDL 2.5/L/L	50	1030300000
WDL 2.5/N/L Order no. 1030000000 (upper connection is marked blue).		

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
20-/24-pole	
End plate / Partition plate	
dark beige	
Support bracket for 10 x 3 (required every 20 cm)	
dark beige	
End bracket	
dark beige	
Screwdriver	
With „swifty set“ cutting device	
Standard	
Identification systems	

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

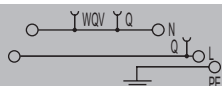
For detailed information on other accessories and application in the online catalogue

WDL 2.5/N/L/PE

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			

CE

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/N/L/PE	50	1029900000
PE connection is marked green-yellow		

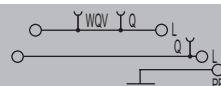
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/L/L/PE

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			

CE

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

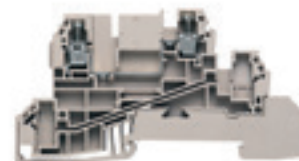
Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L/L/PE	50	1030200000
PE connection is marked green-yellow		

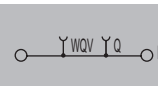
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/L

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3, A4 / V-0			

CE

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L	50	1030400000
WDL 2.5/S/N Order no. 1030900000 (connection marked blue).		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		10	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

**Building installation wiring**  
**Screw connection**

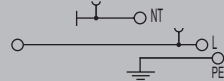
**B**

**WDL 2.5/S/NT/L/PE**

**2.5 mm<sup>2</sup>**



6.1 x 84.5 x 48  
**32 / 4**  
**0.13...4**

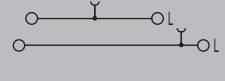


**WDL 2.5/S/L/L**

**2.5 mm<sup>2</sup>**



6.1 x 84.5 x 48  
**32 / 4**  
**0.13...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section A  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque range (terminal screw)	
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige Wemid
Note	

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End bracket	
	dark beige
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	dark beige
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE CB (R) N RLA

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
Tightening torque range (terminal screw)	0.4...0.6 Nm (M 2.5)
8 / 0.6 x 3.5 mm	
Note	
Rated voltage L-PE and L-NT 250 V. Tightening torque for isolator 0.4...0.6 Nm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE CB (R) N RLA

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
Tightening torque range (terminal screw)	0.4...0.6 Nm (M 2.5)
8 / 0.6 x 3.5 mm	
Note	

Type	Qty.	Order No.
WDL 2.5/S/NT/L/PE	50	1030600000
PPE connection marked green/yellow, three-phase circuit together with WDL 2.5/S/L/L		

Type	Qty.	Order No.
WDL 2.5/S/L/L	50	1031200000
WDL 2.5/S/N/L Order no. 1030800000 (upper connection marked blue).		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2			
		100	1061200000
WAP WDL2.5/S			
		20	1067700000
WHP WDL2.5/S BL			
		20	1067980000
SSCH 10X3X1000 CU/SN			
		1	0348900000
ZB 4			
		50	0316500000
ZB 16 ZKSC			
		50	0316600000
ZB 35/M6X16			
		20	0266500000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 8/5 MC NE WS			
		720	1640740000

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2			
		100	1061200000
WAP WDL2.5/S			
		20	1067700000
WHP WDL2.5/S BL			
		20	1067980000
SSCH 10X3X1000 CU/SN			
		1	0348900000
ZB 4			
		50	0316500000
ZB 16 ZKSC			
		50	0316600000
ZB 35/M6X16			
		20	0266500000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 8/5 MC NE WS			
		720	1640740000

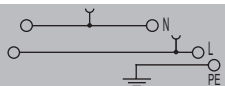
For detailed information on other accessories and application in the online catalogue

WDL 2.5/S/N/L/PE

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

L-PE / L-N 250 V

Type	Qty.	Order No.
WDL 2.5/S/N/L/PE	50	1030700000

PE connection is marked green-yellow

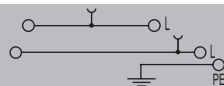
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L/L/PE

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

L-PE 250 V

Type	Qty.	Order No.
WDL 2.5/S/L/L/PE	50	1031100000

PE connection is marked green-yellow

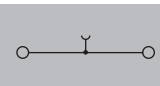
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

Tightening torque range (terminal screw) 0.4...0.6 Nm (M 2.5)

8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDL 2.5/S/L	50	1031300000

WDL 2.5/S/N Order no. 1030900000 (connection marked blue).

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000





# Installation

<b>Installation</b>	Assembly instructions	C.2
	Mounting accessories	C.10
	Marking system	C.26
	Tools	C.28
	Enclosure system	C.30

# General technical notes

## Useful tips from planning through to installation

C

As a system planner, you bear the responsibility for the correct selection of solutions and components. The IEC standard and the DIN EN 61439 “Low-voltage switchgear and controlgear assemblies” standard support you here. They stipulate the planning and construction requirements, as well as the necessary design verifications. The essential prerequisites are, of course, professional handling of equipment and observance of the rules in force. Only in this way can hazards to persons and property be avoided when they are dealing with electrical energy. In particular, installation, maintenance work, modifications and retrofitting may only be carried out by qualified personnel and in compliance with the general installation and safety regulations for work on power installations.

### Our promise

Connections in the panel have to satisfy numerous rules and conditions. Whether installing terminal strips and terminal blocks or using aluminium conductors – we provide you with useful tips that make your work easier.

### Operating conditions

The specifications contained in the documentation apply, insofar as no separate stipulations apply, for the recommended installation position and for environmental conditions in the case of indoor installation (pollution severity 3, in exceptional cases 2) in accordance with IEC 60439-1 and IEC 61439-1/2/3. The user has to refer the manufacturer to special operating conditions deviating from this standard! You have to provide for installation-specific reduction factors depending on the actual operating conditions. The load factors listed in the table below constitute guidelines.

### What you have to observe for installation

In the case of products containing cartridge fuses, you have to follow the specifications from the associated product standards with regard to the wire cross-sections to be connected. The specified temperature resistance of the plastics used has to be observed.

Here, we recommend installing the products vertically on horizontal terminal rail systems. The rated load factors in the table are applicable for this installation position and also for components with permissible power losses. This also pertains to the environmental conditions in accordance with IEC 60439-1, section 6.1.1.1 and IEC 61439-2/3, section 7.1.1.1.

Guidelines for rated load factors		
Number of main circuits	Rated load factor	
	acc. to IEC 61439-2	acc. to IEC 61439-3
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439  
 Part 2: Power switchgear and controlgear assemblies  
 Part 3: Distribution boards intended to be operated by ordinary persons

### And what if the conditions deviate

In case of a deviation in the installation position and operating conditions, you have to consider all the factors influencing the maximum temperature. These include, for example:

- Power output of the cartridge fuses and the devices in operation
- Timings, full and partial load, concurrency
- Arrangement in the system, mutual interaction between the devices
- Rail cross-section, conductor cross-section
- Ambient temperature, flow conditions, ventilation and cooling through additional correction factors

Installation positions are inadmissible in which gravity works against the direction of contact movement. Clearance and creepage distances have to be measured in accordance with IEC 60664-1 (VDE 0110 Part 1). Above 12 mm, all IEC requirements are met up to 690 V AC. You also have to consider further factors, such as minimum distances to grounded parts. This particularly applies for UL applications. You also need to avoid the harmful influences of chemical substances during storage, processing and operation.

### CE marking

Our products are subject to mandatory CE-marking in conjunction with Low Voltage Directive 73/23/EEC, as amended by Directive 2014/35/EU. We have affixed the CE mark on the individual packing units and partly on the products themselves. We hereby confirm to you that our products comply with the applicable regulations. We would be pleased to provide you with the relevant declarations of conformity at our company.

### RoHS Directive

The restriction on lead and five further potentially hazardous substances used in electrical and electronic equipment is defined by the EU RoHS Directive. You will find more information at:

[www.weidmueller.com/rohs](http://www.weidmueller.com/rohs)

### REACH Regulation

The European chemical regulation REACH stands for the Registration, Evaluation, Authorisation and restriction of Chemicals. You will find current information at:

[www.weidmueller.com/reach](http://www.weidmueller.com/reach)

### Our tips for you

It always has to be ensured that ...

- all accessible parts are deactivated during installation and maintenance work
- connections are made with the prescribed torque, suitable fitted parts are used and parts are completely installed for touch-safe protection
- connections are checked and, if necessary, tightened after transportation
- the products are used and operated according to the intended purpose
- the technical description in the product manual and the installation instructions are observed and the documents are kept accessible for subsequent maintenance work, modifications and retrofitting
- modifications that serve for advancement and technical progress are reserved

# Mounting of terminal strips

## Always a secure connection

C

Terminal strips are used for quick installation of cables and conductors. They are the interface from the panel to the outside world. Below, you will find some useful tips, information and binding rules to support you in mounting terminal strips.

### Combinations of different terminal blocks

In case of a contour change, you have to use end plates and partition plates (WAP/TW, ZAP/TW and IAP). If terminal blocks with different rated voltages are arranged next to one another, you need end plates or partition plates (WAP/TW, ZAP/TW). Good to know: when arranging the PE terminal block next to, or between the associated feed-through terminals blocks of the same series and size, the rated voltage and the rated impulse voltage of the feed-through terminal blocks are not influenced.

### Dimensions

The dimension of the housing enclosing the terminal blocks and fastening components is specified, but without tolerances. Please consider a mounting tolerance of 0.2 mm to the specified terminal width in your project design.

### Partition plate

You use a partition plate for visual separation of circuits or for electrical isolation from neighbouring cross-connectors.

### Small partition

In the case of terminal blocks, up to a terminal width of max. 12 mm, you can retroactively insert small partitions between cross-connections or sockets.

End bracket at the beginning and end of the terminal strip



Partition plates improve the overview



Troubleshooting with bipolar voltage tester incl. measurement probe according to IEC 61243-3



**Compliance with the rated insulation voltage**

We specify the required stripping length for all our products in mm. These lengths, e.g.  $6 \text{ mm} \pm 0.5 \text{ mm}$ ,  $\geq 10 \text{ mm} \pm 1 \text{ mm}$  are absolutely binding. This is also the case if you use wire-end ferrules. IEC 60947-1 applies for the outside dimension of crimped wire-end ferrules.

**Working on electrical connectors with non-insulated screwdrivers**

The following five rules apply for working on electrical systems and equipment with non-insulated screwdrivers:

- Disconnect the electrical systems
- Prevent from being switched back on
- Ascertain absence of voltage
- Earth and short-circuit
- Cover or block off neighbouring parts under voltage

Please find the individual measures to be taken in consideration of the operational and local conditions, for example high voltage and low voltage lines, cables or switchgear systems, in VDE 0105 Part 100.

**Unused contact points under voltage**

Protect unused contact points that may be live against inadvertent touching by using suitable covers, such as ADP 1 to 4. The clamping screws of unused contact points that are not live must also be tightened.

**Tightening torque range for clamping screws**

The test torque according to IEC 60947-1 or the torque according to the manufacturer's specifications is the lower value of the torque range. With this, all tests are passed. The upper value of the torque range is the maximum torque that may be applied.

Preferably set the electrical torque screwdriver to the midpoint torque of the terminal torque range. We have assigned product-specific data directly to the respective products.

Tightening the clamping screw in the specified torque ranges ensures:

- Reliable and gas-tight clamping
- No mechanical destruction of the clamping yokes
- Voltage drop well below the required limit value

**Our installation tips for you**

- The terminal strip structure is from left to right
- Place the closed side to the left, the open side to the right
- Always close the open side of the terminal strip with end plates or separation plates (WAP/TW, ZAP/TW)
- End brackets have to be placed at the beginning and end of a terminal strip

# Connecting terminal blocks

## With the right torque

C

The right torque is a decisive factor in professional connection of terminal blocks in order to avoid damage to the electrical systems. Therefore, always apply the tightening torque specified in the installation instructions or on the Internet for the product.

Unless limits are specified, the deviation of the tightening torque for screw and clamp connections may be a maximum of  $\pm 20$  percent of the rated value. If no range is specified for clamping cross-sections, the lower clamping range is

limited to two levels below the rated cross-section. Please find the relationships between the wire cross-sections in  $\text{mm}^2$  and AWG/MCM sizes in the table below.

### General technical data for conversion AWG\* conductor to $\text{mm}^2$

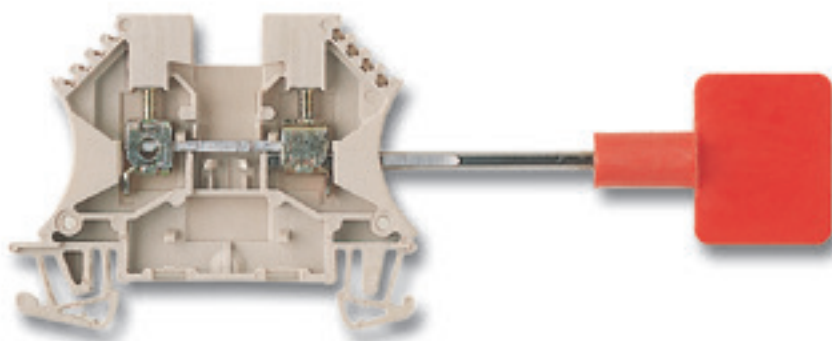
AWG	$\text{mm}^2$
28	0.08
26	0.13
24	0.20
22	0.33
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

### Plug gauge according to IEC 60947-1: insertability of unprepared round conductors with the largest defined cross-section

Test with the defined gauge, insertion under own weight

Cable diameter		Gauge						
		Shape A			Shape B			
Flexible conductors $\text{mm}^2$	Solid conductors (one or more wires) $\text{mm}^2$	Designation	Diameter a mm	Width b mm	Designation	Diameter a mm	Permissible deviation for a and b mm	
1.5	1.5	A 1	2.4	1.5	B 1	1.9	0 - 0.05	
2.5	2.5	A 2	2.8	2.0	B 2	2.4		
2.5	4	A 3	2.8	2.4	B 3	2.7		
4	6	A 4	3.6	3.1	B 4	3.5	0 - 0.06	
6	10	A 5	4.3	4.0	B 5	4.4		
10	16	A 6	5.4	5.1	B 6	5.3		
16	25	A 7	7.1	6.3	B 7	6.9	0 - 0.07	
25	35	A 8	8.3	7.8	B 8	8.2		
35	50	A 9	10.2	9.2	B 9	10.0		
50	70	A 10	12.3	11.0	B 10	12.0	0 - 0.08	
70	95	A 11	14.2	13.1	B 11	14.0		
95	120	A 12	16.2	15.1	B 12	16.0		
120	150	A 13	18.2	17.0	B 13	18.0		

\* AWG is the abbreviation for "American Wire Gauge".



#### Approval of wire-end ferrules

Wire-end ferrules are only ever approved for applications according to IEC/EN standards. We tested examples for the application of wire-end ferrules; this does not represent any form of general approval for different ferrule pressings. You may have to reduce the maximum wire cross-sections. Conductors have to be manufactured taking into consideration the requirements of IEC/EN 60999-1 and -2 and have to be configured such that there is no tensile loading.

#### Two conductors at a contact point

You achieve assignment to individual circuits, identification and division of individual functional units optimally by only connecting one conductor to each contact point. Terminal blocks with screw connection (W-Series) are available to you should two conductors of the same cross-section be connected to a contact point. The connection of two cables with screwless contact points is forbidden according to DIN IEC 60999-1. Connection of two conductors is possible in the tension-clamp system, however, by using twin wire-end ferrules.

#### Continuous current for two conductors

The total current of two conductors must not exceed the continuous current of the terminal block. The continuous current is the maximum current a terminal block can carry without exceeding a temperature increase of 45 K.

#### Rated voltage

The rated voltage of the terminal block does not change with the proper connection of two conductors.

# Use of aluminium conductors

## Very secure contact

### C

Aluminium conductors have many advantages. However, various conditions must be met in order to achieve secure contact with these conductors. The specifications for the conductor connections for terminal blocks only apply for copper conductors. They do not apply to aluminium conductors.

#### Why is the use of aluminium conductors so attractive?

The use of aluminium conductors is becoming increasingly attractive, especially when conductors with cross-sections over 16 mm<sup>2</sup> are used. One advantage of aluminium as a wire material is its favourable price as compared with copper. Aluminium also weighs significantly less. This makes routing cables much easier.

#### Properties and physical influences of aluminium

The direct contact of aluminium as an electrical conductor is essentially determined by three physical influences:

- Exposure to oxygen immediately forms a non-conducting oxide layer on the surface of the aluminium conductor. The result is an increase in the contact resistance between the connection system and the aluminium conductor. In the worst case, this can lead to the terminal block catching fire.
- The conductivity of aluminium is one-third lower than that of copper. For this reason, the selection of the right cross-section should always be dependent on the maximum anticipated current. When using aluminium conductors, we therefore recommend always selecting one conductor size larger for the same current carrying capacity.
- Aluminium has a tendency to flow under mechanical pressure loading. This necessitates checking the specified torque prior to initial use and monitoring the torque applied after approx. 200 operating hours.

#### Professional processing and handling of aluminium conductors for direct connection

In order to ensure optimal connection of solid and sectional core aluminium conductors, the stripped end of the conductor must be cleaned of the oxide layer immediately by scraping, e.g. with a knife. Please note that no brushes, files or sandpaper may be used, as aluminium particles could be stuck and thus transferred to other conductors.

Immediately after removing the oxide layer, the end of the conductor has to be rubbed with neutral grease (for example with acid and alkali free vaseline) and connected in the terminal immediately. If the conductor has been disconnected and reconnected, the work steps have to be repeated.

Terminal blocks for aluminium conductors			
WDU 2.5	20 A	solid 2,5 mm <sup>2</sup>	0.4 NM
WDU 4	27 A	solid 4 mm <sup>2</sup>	0.5 NM
WDU 6	35 A	solid 6 mm <sup>2</sup>	0.8 NM
WDU 10	48 A	solid and stranded with 10 mm <sup>2</sup> wire-end	1.2 NM
WDU 16	50 A	solid "re" 16 mm <sup>2</sup>	3.0 NM
WDU 35	60 A	solid 35 mm <sup>2</sup>	4.0 NM
WDU 50N	118 A	solid and sector-shaped 50 mm <sup>2</sup>	6.0 NM
WDU 70N	150 A	solid and sector-shaped 70 mm <sup>2</sup>	12.0 NM
WDU 120	290 A	sector-shaped 150 mm <sup>2</sup>	15.0 NM
WDU 240	415 A	solid and sector-shaped 240 mm <sup>2</sup>	30.0 NM
WPD × 01 ...	152 A	25 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	4 NM
WPD × 02 ...	202 A	35 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	16 <sup>2</sup> = 4.0 NM 25 <sup>2</sup> = 6.0 NM 35 <sup>2</sup> = 8.0 NM
WPD × 03 ...	300 A	70 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	16 <sup>2</sup> = 4.0 NM 25 <sup>2</sup> = 6.0 NM 35 <sup>2</sup> = 8.0 NM 50 <sup>2</sup> = 10.0 NM 70 <sup>2</sup> = 18.0 NM





In case of WDU 240, the manufacturer’s specifications concerning current-carrying capacity of the aluminium conductor used have to be observed. This is usually well below 400 A.

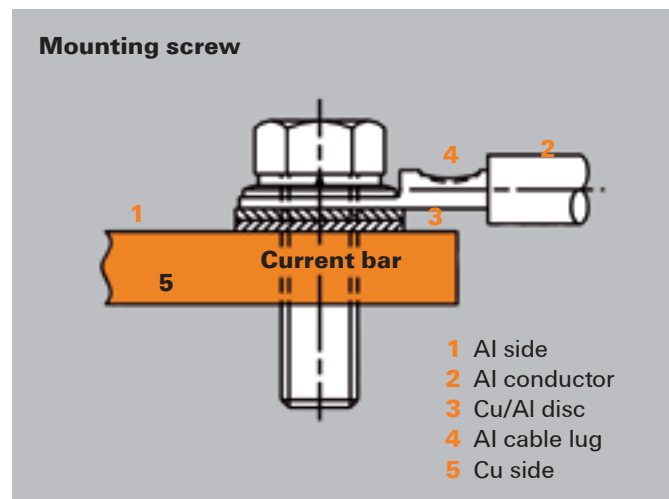
**Professional preparation and handling of aluminium conductors with indirect connection**

Indirect connection of aluminium conductors is the safest choice. This can be enabled through the use of connecting elements, such as Al/Cu ring cable lugs or compression bolts. Nevertheless, the relevant manufacturer’s specifications must also be observed here and the contact point checked according to the operating instructions.

For normal environmental conditions and load cases, we recommend checking at intervals of six months. With unfavourable operating conditions or frequent temperature changes at the contact points, a shorter interval may be necessary. Temperature measurement strips with storage of maximum values can be attached in the immediate vicinity of the contact points and may be useful for objective assessment with regular tests. All contact points are suitable for the connection of one conductor, unless noted otherwise.

**Installation instructions for flat cable lugs**

When tightening the terminals, it is recommended to apply a counter-force on the conductor to avoid deformation of the terminal rail and to keep the foot of the terminal free of torsion forces. Connection of stranded aluminium conductors to terminal blocks is achieved with the aid of an aluminium cable lug. This is selected according to the shape of the conductor and is connected to the cable lug manufacturer’s specifications. Cu/Al washers are required at the junction of aluminium cable lugs to the terminal block current bar. Only then is a smooth transition from copper to aluminium ensured. They are fitted such that the copper side of the current bar and the aluminium side make contact with the aluminium cable lug.



# Installation in conformity with standards

## With precisely matched accessories

When mounting terminal blocks and assembling panels, you must always be able to rely on accessories fitting perfectly. Only then do the processes run smoothly and therefore productively. The requirements placed on terminal rails, busbars, as well as cover plates and support brackets, are correspondingly high. They have to comply with numerous standards and safety regulations.

### Our promise

Our components are aligned to each other right down to the finest detail and hence make installation easier for you.

Information and ordering data for mounting accessories is available to you in our online catalogue. The webcode #01229 entered into the search screen of our website takes you directly into the Klippon® Connect area.

### Terminal rails

Terminal and top-hat rails for component mounting and end brackets are important for holding and insulating the components. Depending on the application area, we offer terminal rails made of steel, stainless steel, aluminium, copper or plastic.

#### Stainless steel

Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

#### Aluminium

Aluminium has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

#### Copper

Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

#### Plastic

Plastic terminal rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard terminal rails.

#### Steel

Steel terminal rails are the most widespread on the market. Among metal terminal rails, they have the lowest short-circuit protection, similar to stainless steel.

#### Use as PE conductors or PEN busbars

Under certain circumstances, you can also use terminal rails as bus bars for protective conductors (PE conductors) or PEN conductors. The Weidmüller PE terminal blocks with spring and screw connections fulfil the requirements for PE conductors defined in IEC 60 947-7-2. According to VDE 0100 Part 540, protective earth conductors and neutral conductors with wire cross-sections above 10 mm<sup>2</sup> may be combined to form a conductor abbreviated as PEN.

### Our installation tip

If a terminal rail is used as a PEN busbar, the following criteria have to be observed:

- Only profiles made of E-Cu or aluminium are permissible
- Short-circuit currents and thermal rated currents
- Insulate terminal rails with the "protective insulation" protective measure



## Busbars

In the case of switchgear and control systems it, may be necessary to bring the neutral and PE conductor together on busbars. They offer the possibility of connecting a large number of conductors (on 1 m rails up to 70 conductors) with a low space requirement – either via a pressure piece or a clamping yoke. The SH rail support (which can also be arranged between the clamping yokes for longer bar) serves for fixing purposes. If the clamping yoke is used as protective earth connection, we can optionally supply it with green-yellow or as neutral conductor with blue insulation cap.

## Cover profiles and support brackets

Several safety regulations, such as the accident prevention regulation “Electrical Installations and Equipment” (VGB 4) and VDE 0106 Part 100/3.83, require from you that active parts of electrical equipment are protected against direct touching. Our cover profiles with associated support brackets may be used for the most common terminal sizes. The support brackets can be arranged at the end or along the the terminal strip. They can be fastened to TS 32, TS 35 or TS 15 terminal rails.

### Our installation tip

- In order to combine neutral or protective earth conductors at a central point, the ZB clamping yoke can be used together advantageously with the 10 × 3 or 6 × 6 busbars
- The ZBE 6 can be retroactively swivelled on to the busbars

### Our installation tip

- Linear intervals of the support brackets: the linear measure of the ADP 1, 2 and 3 between the support brackets should not significantly exceed 300 mm
- The cover profile is also snapped on to tags at the sides; extra tightness is achieved with pegs on the support brackets for sealing purposes
- The transparent design of the profiles allows terminals with accessories and marking to be identified at any time. Additional markings, e.g. from groups, can also be applied

**Busbars, unslotted**



**SSch**

Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
SSCH 10X3X1000 CU/SN	Copper	10...3 mm	1000 mm	140 A	1	0348900000
SSCH 10X3X1000 MS/BK	Brass	10...3 mm	1000 mm	100 A	1	0259800000
SSCH 10X3X1000 ST/ZN	Steel	10...3 mm	1000 mm		1	0438000000
SSCH 15X6X1000 CU/SN	Copper	15...6 mm	1000 mm	265 A	1	0357400000
SSCH 6X6X1000 CU/SN	Copper	6...6 mm	1000 mm	140 A	1	0571300000

**Busbars, slotted**



**NSch / ESch**

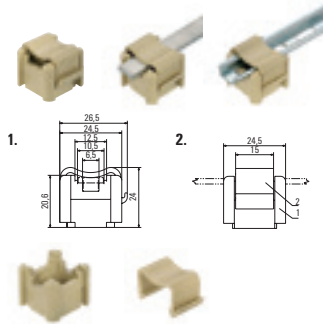
Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
ESCH 1 M	Steel	12...2 mm	1000 mm	24 A	1	0280300000
NSCH 1M	Copper	15...2 mm	1000 mm	24 A	1	0280200000
NSCH 2M	Copper	15...2 mm	2025 mm	24 A	2	1313600000
<b>Pressure piece</b>					<b>Qty.</b>	<b>Order No.</b>
DKSUE NSCH/ESCH					100	0280100000
<b>Clamping screw</b>						
BFSC M5X8 Schlitz					100	0296700000

**Technical data**

Solid	0.5...2.5 mm <sup>2</sup>
Stripping length	9 mm
Cable lug to DIN 46234	max. 16 mm <sup>2</sup>
Current	27 A

### Rail support

With yoke and base



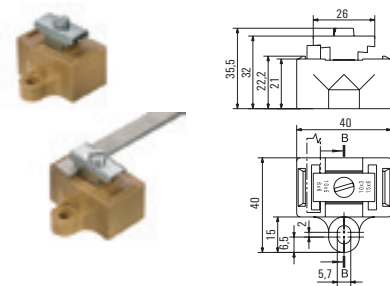
### SH 1

Type	Width	Height	Depth	Qty.	Order No.
SH 1	26 mm	24.5 mm	24 mm	20	0299860000
<b>Individual parts</b>				<b>Qty.</b>	<b>Order No.</b>
SO SH1				20	0401460000
KLBUE SH1				20	0635960000
<b>Screwable cross-connection</b>					
BFSC M4X9T				100	0103300000
BFSC M4X30				50	0267100000

SH 1: for busbar cross-section 10 x 3, 6 x 6, 15 x 2, 12 x 2, 15 x 2, 15 x 6

### Rail support

With metal bridge

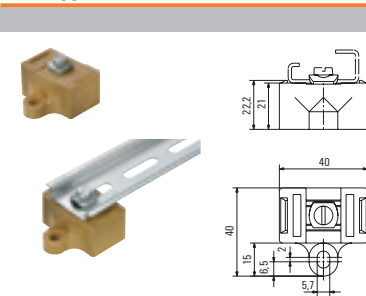


### SH 2S

Type	Width	Height	Depth	Qty.	Order No.
SH 2 S	40 mm	40 mm	35.5 mm	10	0641720000

For busbar cross-section 10 x 3, 6 x 6, 10 x 5, 15 x 6

### Rail support



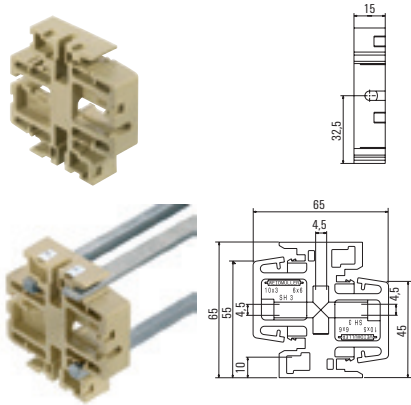
### SH 2

Type	Width	Height	Depth	Qty.	Order No.
SH 2	40 mm	40 mm	25 mm	10	0494920000

The arrangement of mounting rails in totally insulated facilities

**Rail support**

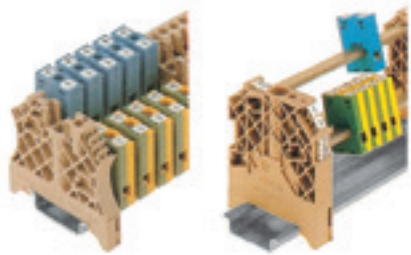
With metal bridge



**SH 3**

Type	Width	Height	Depth	Qty.	Order No.
SH 3	65 mm	15 mm	65 mm	10	0556660000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5					

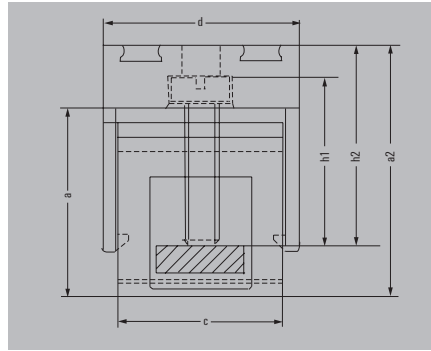
**Rail support**



**WEW**

Type	Width	Height	Depth	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>					
WEW 35/1	12 mm	56 mm	62.5 mm	50	1059000000
WEW 35/2	8 mm	56 mm	46.5 mm	100	1061200000
WEW 35/1 GR	12 mm	56 mm	62.5 mm	50	1227890000
WEW 35/1 SW	12 mm	56 mm	63 mm	50	1162600000
WEW 35/2 GR 7042	8 mm	56 mm	46.5 mm	100	1859200000
WEW 35/2 SW	8 mm	56 mm	47 mm	100	1061210000
For busbar cross-section 10 x 3, 6 x 6					

Clamping yoke, uninsulated



Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	A 2/A 4-80
	[Nm]	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 10 x 3 mm



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

for busbar 10 x 3 mm



Solid	1.5...10 mm <sup>2</sup>
Flexible	2.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	Silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475460000

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	Silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	Silver	7.8 mm	22.5 mm		50	0526060000

ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	Silver	8 mm	19.5 mm	29.1 mm	50	1261300000

ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	Silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	Silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	Silver	9 mm	19 mm	20 mm	50	0502960000

ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	Silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	Silver	14 mm	32 mm	8.6 mm	50	0502780000

ZB 4/6

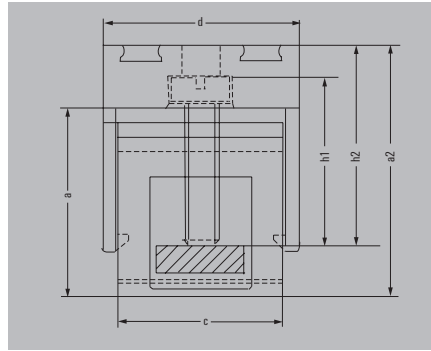
Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6	Silver	5.3 mm	12 mm	20 mm	50	0556700000

ZB 16/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6	Silver	10 mm	12.5 mm	30.7 mm	50	0556800000

## Mounting accessories – Busbars

## Clamping yoke, insulated



## for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	...
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 10 x 3 mm



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

## for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

## for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

## for busbar 10 x 3 mm



Solid	0.5...4 mm <sup>2</sup>
Flexible	0.5...2.5 mm <sup>2</sup>
Stranded	...
Clamping screw	...
Stripping length	10 mm

## for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

## ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	Silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	Silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	Silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	Silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	Silver	6 mm	19 mm	20.4 mm	50	0475360000

## ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	Blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	Yellow, Green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	Black	8 mm	22.5 mm	19.5 mm	50	0525910000

## ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	Silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	Silver	10 mm	19 mm	26.8 mm	50	0502860000

## ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	Silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	Silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	Silver	14 mm	32 mm	34 mm	20	0502610000

## ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	Silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	Silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	Silver	6.1 mm	24.5 mm	22 mm	50	1814670000

## ZB 4 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6K BL	Silver	6 mm	25 mm	14.7 mm	50	0565480000
ZB 4/6K GE/GN	Silver	6 mm	25 mm	14.7 mm	50	0565460000

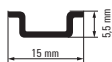
## ZB 16 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6K GE/GN	Silver	10 mm	25 mm	30.7 mm	50	0569660000

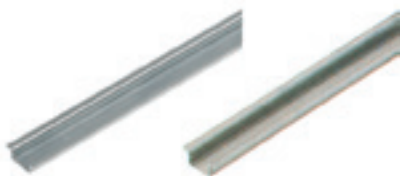




**TS 15 terminal rail**



unslotted

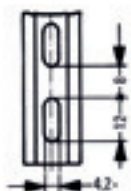


**TS 15 x 5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 15X5 2M/AL/BK	76.00 A	15 mm	2000 mm	2	0134700000
<b>Steel, galvanised and passivated</b>					
TS 15X5 2M/ST/ZN		15 mm	2000 mm	2	0514200000

**TS 15 terminal rail**

with slot

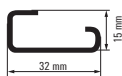


**TS 15 x 5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 15X5/LL 2M/ST/ZN		15 mm	2000 mm	2	0117500000
TS 15X5/LL 1M/ST/ZN		15 mm	1000 mm	1	0117510000

**TS 32 terminal rail**

unslotted

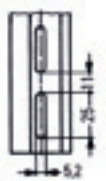


**TS 32 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 32X15 2M/AL/BK	192.00 A	33 mm	2000 mm	2	0169300000
<b>Steel, galvanised and passivated</b>					
TS 32X15 2M/ST/ZN		33 mm	2000 mm	2	0122800000
<b>Stainless steel</b>					
TS 32X15 2M/CRN		33 mm	2000 mm	2	0293220000
TS 32X15 2M/AL/BK: max. permitted rated current for PEN function = 192 A					

**TS 32 terminal rail**

with slot

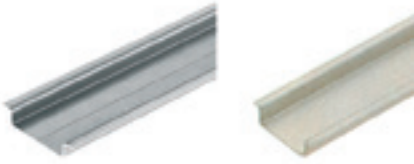


**TS 32 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 32X15/LL 2M/ST/ZN		33 mm	2000 mm	2	0514400000

**TS 35 x 7.5 terminal rail**

unslotted

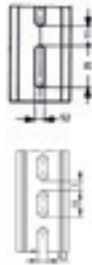


**TS 35 x 7.5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 35X7.5 2M/AL/BK	125.00 A	35 mm	2000 mm	2	0330800000
<b>Steel, galvanised and passivated</b>					
TS 35X7.5 2M/ST/ZN		35 mm	2000 mm	2	0383400000
TS 35X7.5 1M/ST/ZN		35 mm	1000 mm	1	0383410000
<b>Stainless steel</b>					
TS 35X7.5 2M/CRN		35 mm	2000 mm	2	1747350000
TS 35X7.5 2M/AL/BK: max. permitted rated current for PEN function = 125 A					

**TS 35 x 7.5 terminal rail**

with slot

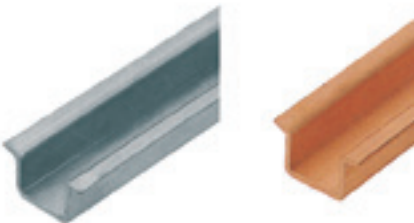


**TS 35 x 7.5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X7.5/LL 2M/ST/ZN		35 mm	2000 mm	2	0514500000
TS 35X7.5/LL 1M/ST/ZN		35 mm	1000 mm	1	0514510000
TS 35X7.5/LL/6 2M/ST/ZN		35 mm	2000 mm	2	0514570000

**TS 35 x 15 terminal rail**

unslotted



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Copper</b>					
TS 35X15/2.3 2M/CU/BK	309.00 A	35 mm	2000 mm	2	0270100000
<b>Steel, galvanised and passivated</b>					
TS 35X15/2.3 2M/ST/ZN		35 mm	2000 mm	2	0498000000
<b>Aluminium</b>					
TS 35X15/2.3 2M/AL/BK	192.00 A	35 mm	2000 mm	2	1848290000
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

**TS 35 x 15 terminal rail**

unslotted



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X15 2M/ST/ZN		35 mm	2000 mm	2	0236400000
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

**TS 35 x 15 terminal rail**

with slot



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X15/LL 2M/ST/ZN		35 mm	2000 mm	2	<b>0236500000</b>
TS 35X15/LL 1M/ST/ZN		35 mm	1000 mm	1	<b>0236510000</b>
TS 35X15/6X18 2M/ST/ZN		35 mm	2000 mm	2	<b>1805980000</b>
TS 35X15/6X25 2M/ST/ZN		35 mm	2000 mm	2	<b>1866290000</b>

**TS 35 x 15 terminal rail**

unslotted



**TSK 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Plastic PVC RAL 7035</b>					
TSK 35X15 2M PVC/GR		35 mm	2000 mm	2	<b>0514300000</b>

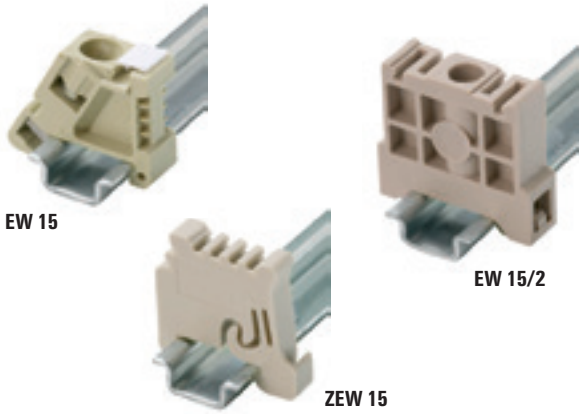
**End cap for TS 35**



**End cap for TS 35**

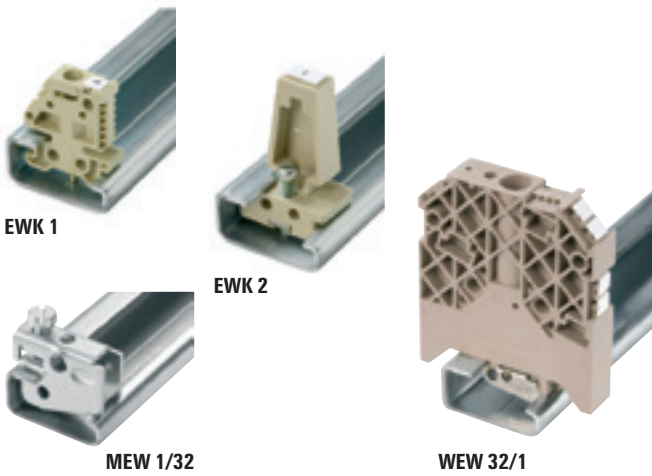
Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>End cap TS 35 x 7.5</b>					
TS END CAP 35X7.5		37.5 mm		100	<b>1283470000</b>
<b>End cap TS 35 x 15</b>					
TS END CAP 35X15		37.5 mm		100	<b>1283480000</b>

for TS 15 terminal rail



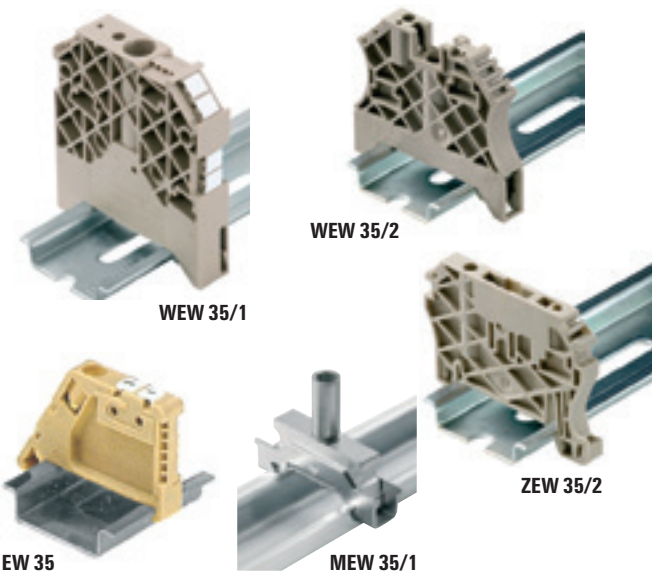
Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EW 15	Beige		50	0382860000
<b>Polyamide with fibre glass, screwable</b>				
EW 15/2	Dark Beige		50	1071900000
<b>Polyamide 66, screwless</b>				
ZEW 15	Beige		20	7920340000

for TS 32 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EWK 2	Beige		50	0199360000
EWK 1	Beige		50	0206160000
<b>Polyamide with fibre glass, screwable</b>				
WEW 32/1	Dark Beige		50	1067600000
<b>Metal, screwable</b>				
MEW 1/32	Grey		20	0445600000

for TS 35 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>				
WEW 35/1	Dark Beige	1.2 Nm	50	1059000000
WEW 35/2	Dark Beige	0.5 Nm	100	1061200000
WEW 35/1 GR	Grey	1.2 Nm	50	1227890000
WEW 35/1 SW	Black	1.2 Nm	50	1162600000
WEW 35/2 GR 7042	Grey	0.5 Nm	100	1859200000
WEW 35/2 SW	Black	0.5 Nm	100	1061210000
<b>Polyamide 66, screwless</b>				
ZEW 35	Dark Beige		20	9540000000
ZEW 35/2	Dark Beige		20	8630740000
ZEW 35 GR	Grey		20	1238040000
ZEW 35/2 GR	Grey		20	1227850000
ZEW 35/2 SW	Black		20	1162610000
<b>Polyamide 66, screwable</b>				
EW 35	Beige		50	0383560000
EW 35 GR 7032	Grey		50	0383530000
EW 35 DB	Dark Beige		50	1269050000
<b>Metal, screwable</b>				
MEW 35/1	Grey		10	1805610000

For busbar cross-section 10 x 3, 6 x 6 For busbar cross-section 10 x 3, 6 x 6

Terminal rail support



TSTW 5/M5



TSTW 5/M5 galvanised



TSTW 6/M6

Type	Internal thread	Qty.	Order No.
TSTW 5/M5	M 5	10	0178100000
TSTW 5/M5 ZN	M 5	10	1779100000
TSTW 6/M6	M 6	10	0164000000

Terminal rail supports of type TSTW are used for angled fixing of terminal rails at an angle of 35°.

Terminal rail support



TST

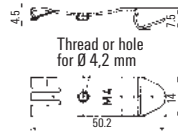
Type	Internal thread	Qty.	Order No.
TST 2/M5	M 5	10	1286600000
TST 2/M6	M 6	10	0101700000
Type		Qty.	Order No.
Mounting screw			
FKSC M5X8 D9/SW2.5		50	0295900000
FKSC M6X8 D9/SW3		50	0642600000
FKSC M6X12 D9/SW3		50	0353500000

The TST terminal rail support is used for assembly of terminal rails in a frame or over a cut-out. Weidmüller supplies fixing screws with hexagonal sockets and a very low head for the terminal rail supports so that the terminals can also be fitted over the screw.

Mounting feet



FM 4



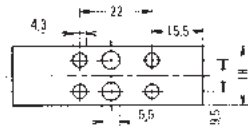
FM 5, FM 6 and FM 4.2: similar to illustrations

Type	Internal thread	Qty.	Order No.
<b>FM 4 foot</b>			
FM 4/TS35		40	0687900000
FM 5/TS35		40	0636800000
FM 6/TS35		40	0636900000
FM 4.2/TS35		40	1724580000

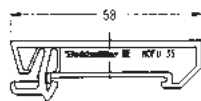
Mounting feet



MOFU 35/L0/1

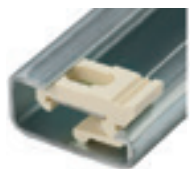


MOFU 35

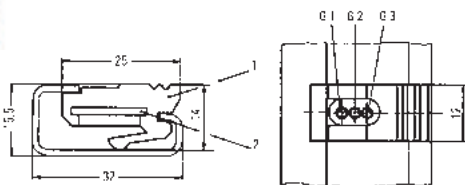


Type	Internal thread	Qty.	Order No.
MOFU 35/L0/1		20	0646260000
MOFU 35		20	0495660000
MOFU 35/L0/1 SW		20	0646210000

Mounting feet



MB



Type	Internal thread	Qty.	Order No.
MB M3/M5 CRM		20	0503500000
MB M5/M3 SW		20	0553400000
MB M6/M4 GR		20	0334900000

The sliding nut for the RS 32 terminal rail has two threaded holes for screws M3 + M5 / M6 + M4 / M5 + M3. It is used to fasten components which cannot be slotted directly onto the TS 32, in particular the smaller TS 15 top hat rail. This enables, for example, mini-terminals to be snapped onto the TS 15 first, and this rail is then fastened together with the terminals to the TS 32 using the sliding nut.

## Cover strips and retaining plates





### ADP

#### Cover strips



Material: unplasticised PVC  
Supplied in 1 m lengths  
Temperature limit: max. 70 °C

#### transparent

Type	Order No.
ADP 1 	0485200000
ADP 2 	0485300000
ADP 3 	0485400000
ADP 4 (1000 mm) 	1430760000

#### grey

Type	Order No.
ADP 4 (300 mm) 	1378160000

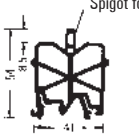
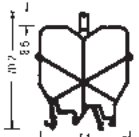
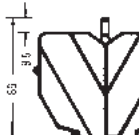
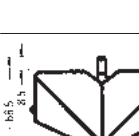
### HP

#### Retaining plates



Material: PA 66  
Thickness: 2 mm

#### For mounting on TS 35 / TS 32, with spigot for lead seal

Type	Order No.
HP 1 	0485560000
HP 2 	0485660000
HP 3 	0485760000
HP 4 	0485860000

#### For mounting on TS 15

Type	Order No.
HP 7 	0258260000

### Covers

Overall dimensions	A	A	A	A	B	C
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	86		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6
Marking materials	Type	Qty.	Order No.			
Card with warning "lightning flash", self adhesive 20 pcs. per card	BEZ-KARTE ADP	10	0566700000			





## Systemised marking

### For optimised processes

**C** Your primary expectation of a marking system is that it clearly shows how your components are configured. This includes an accurate printed image, ease of use and usability in an industrial environment. You need data entry and administration software to provide optimum support. During marker output, the speed should be adaptable to your needs. In order to provide the right marking solution for all products at all time, we have built up a unique overall system of markers, printers and software. The tailored range of products ensures precise identification throughout the whole panel – or, for short, systemised marking.

#### Our promise

Our harmonised system of software, markers and printers allows you to optimise processes – from entering your data to the finished marker for the individual panel configuration. You have a clear overview to allow clear identification of panel components.

More detailed information on our marking system is available at [www.weidmueller.com/marking](http://www.weidmueller.com/marking)

Order data is available in our online catalogue. Enter the code **#01223** into the search box on our website to go to the markers and printers directly.

#### Flexible printing on plastic and metal markers with inkjet printer

The MultiCard concept is our standard for modern, innovative identification and marking systems. With over 250 variants, it offers neutral plastic markers in a standardised card format for all Weidmüller terminal blocks and terminal blocks from other manufacturers. We also offer the appropriate marker options for the simple and quick connection of conductors, cables and devices.

Use our PrintJet ADVANCED inkjet printer for quick clear labelling of large volumes. Its precise colouring and thermal fixing ensure continuous and robust identification. MetalliCard formats made of aluminium and stainless steel can also be printed just as securely. Its wide range of applications and flexibility allows this printer to provide standard-compliant and efficient marking. Depending on the requirements, it is operated either with our user-friendly planning software M-Print® PRO or as a standalone solution with saved templates using a USB stick.



### Endless marking with MultiMark and the thermo-transfer printer

The MultiMark terminal markers are endless material with a special stamped pattern. This means they can be rotated easily, which is ideal for compensating tolerances in long terminal blocks. The MultiMark formats are printed using the compact, modular THM MPP thermo-transfer printer which offers high levels of flexibility. The optional cutting and perforation option enables the endless material to be cut to any length. This makes cutting and assigning the relevant labels very simple. The THM MMP is also the ideal printer when it comes to printing fabric and polyester labels, shrink sleeves and PLC labels. The major benefit: you can make all the labels in and around the panel using just one printer.

### Highlight

The THM MPP thermo-transfer printer is a compact all-rounder with an intuitive touch-screen display and status indicator, making it easy to operate in 22 languages. Its compact design and weight of just 3.5 kg means it can also be easily used outside the workshop.

## Made for professional work

### One-stop shopping for quality tools

**C** You need them for wiring and testing, for commissioning and maintenance – tools are a constant companion when it comes to panel building. They need to sit well in the hand and guarantee consistently high workmanship even after many working cycles. Our quality tools are a choice that will bring you happiness for a long time. Our range includes proficient manual tools for cutting, stripping, crimping, testing and screwing, as well as machines and accessories. From installation of the terminal blocks to installation of delicate electronic components, you can find the right tool for all applications from us.

#### Our promise

Weidmüller tools were developed with the aim of making your work easier, optimising working processes and thus increasing productivity in panel building. The perfect coordination of terminal blocks, wire-end ferrules and conductors guarantees the best possible working results.

Detailed information on our range of tools is available at [www.weidmueller.com/tools](http://www.weidmueller.com/tools)

Order data is available in our online catalogue. Enter the code **#01225** into the search box on our website to go to the tools directly.

#### The right quality tool for every stage of the process

##### Cutting

With our robust cutting tools, you can rely on smooth, straight cuts with no deformation of the conductor. Whether you need to cut copper or aluminium cables with small or large cross-sections, the mechanical drive and specific cutting shape allow really ergonomic work.

##### Stripping

Our precision tools specialise in stripping and sheath stripping of cables to guarantee reliable results. The wide product range is perfectly tailored to insulation and the wire cross-section and guarantees perfect wiring for all sorts of cable types.

##### Crimping

Our selection of crimping tools fits a wide range of conductors, wire-end ferrules and contacts. This ensures optimum processing quality in all applications. The result is stable, long-lasting connections which meet all relevant international standards and regulations.

##### Testing and measuring

From voltage testers through clamp-on meters, use our complete range of testing and measuring instruments for precise results. Besides the highest possible reliability for optimum application protection, the devices provide impressively easy handling.

##### Pliers

Our range of ESD pliers meets all national and international testing standards. The special material of the handles prevents electrostatic discharge. And the ergonomic design of the pliers allows fatigue-free work.



### Screwing

High torques and optimum transfer of axial force – our manual and battery-powered torque screwdrivers enable exact, effective work with high levels of repeat accuracy. They are available in four sizes to fit all hands and requirements.

### Automatic machines

Automating individual work stages such as cutting to length, stripping and crimping helps increase efficiency. With our robust, user-friendly machines for cable processing, you reduce installation times and minimise production costs.

### Wire-end ferrules and cable connectors

With our wire-end ferrules and insulated cable connectors, you guarantee safe connections in the long term. We provide these accessories to match our components and tools in various versions and colour alternatives.

### Highlight

Real added value for you: you can have your tools regularly tested and maintained in our in-house tool certification office. This allows you to guarantee consistent functionality and quality.

## For every industry and every application

# Klippon® Protect enclosure system

## gives safety and protection to connection solutions

**C** Enclosures fulfil an important safety function and prove their worth every day, even under the toughest of conditions. All industries have their own specific requirements in terms of enclosure technology – from machine construction through transport and energy engineering to the process industry. At the same time, the enclosures must meet the strict requirements with respect to the necessary international approvals. Our Klippon® Protect enclosure system covers all approvals required for use in industrial and explosive risk zones. It is also so flexible that it allows optimum adaptation to your requirements.

### Our promise

The flexible Klippon® Protect enclosure system forms the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our assembled enclosure assemblies which are optimised to your requirements and offer excellent protection. Individual services round off our range to provide you with optimum process support.

More detailed information on our wide range of Klippon® Protect enclosure systems can be found at [www.weidmueller.com/klipponprotect](http://www.weidmueller.com/klipponprotect)

Order data is available in our online catalogue. Enter the code **#01227** into the search box on our website to go to Klippon® Protect directly.

### Universal range

Whether it is stainless steel, aluminium or plastic, the universal enclosures from Klippon® Protect offer your assembly excellent protection in industrial or explosive risk zones. With these robust enclosures in the relevant degrees of protection, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion and customisation.

### Application range

Our Klippon® Protect application products are designed for specific protection requirements in the field. These include application solutions for monitoring and safety, measurement and control technology and power distribution. The basis for these application solutions is formed by high quality and comprehensive approvals for explosive risk zones. You can obtain enclosure solutions such as distributor housings, terminal boxes and command and messaging devices from a single source and with a consistent enclosure design – for maximum safety, reliable functionality and low follow-up costs for maintenance, replacement and storage.

### Services

Our assembly services combine consultancy, application expertise and industry know-how to offer you a tailored solution. We provide you with exclusively developed and produced enclosures. This helps your plant fulfil the highest standards of safety, quality and performance against international



competition. You can benefit from our one-stop-shop production quality to reduce your costs, increase efficiency and simplify quality management.

Even with individually assembled products, we guarantee quick, quality-focused production and order-based product availability. From small quantities to complete location supplies: everything is available where you need it within a short space of time.

#### **Online selection assistant**

Whatever application you are planning – we deliver housing designs to fit a range of different applications. In order to make this process even more efficient, we offer a modular system from which you can put together your own individual enclosure design. To do this, simply use our online product assistant: **#01221**

#### **Highlight**

Control Station is a real highlight of our application range. This customer-specific assembled enclosure is a robust “on-site control station” and is perfect for emergency stop applications. It is used when it comes down to the safe switch-off of system components, such as in the process industry or machine construction.





# Standards and definitions

<b>Standards and definitions</b>	Materials	D.2
	Standards and regulations	D.6
	Types	D.14
	Service and support	D.16

# Materials

You can always rely on the high quality of the metals and insulating materials we use: they are subject to strict monitoring through a DIN EN ISO 9001 certified quality management system.

## D

A high level of quality assurance is essential for us to always offer you first grade products. Starting with the quality management of our products based on ISO 9000 ff. through to permanent monitoring by independent institutes who monitor our production facilities, as well as quality management and our in-house laboratory. You therefore benefit from maximum reliability and durability!

### Accredited test laboratory

Reliability of technical data is of the highest priority for the user. Accreditation in accordance with DIN EN ISO/IEC 17025 through an external, independent institution (Deutsche Akkreditierungsstelle für Technik GmbH) attests to the competence of the laboratory to perform tests on terminal blocks, connectors, electronic equipment, including EMC and environmental testing. So you can be sure our products can be used everywhere – worldwide.

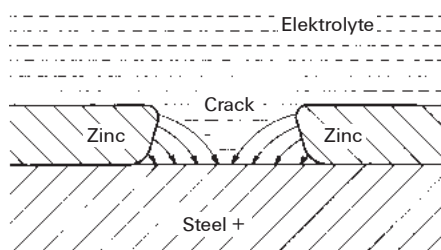


# Metals

The metals we use are selected and processed with their surfaces treated according to the latest technical knowledge. In addition, our welding area is certified in accordance with DIN EN ISO 3834-3 for fusion welding of metal-based materials.

## Steels

Steel ensures mechanical stability for all our connection systems. In order to permanently maintain the contact force, the steel parts are electrogalvanised and provided with additional passivation by means of a chromate layer. The advantage of surface protection with zinc lies in the high corrosion protection effect. It is also effective for a long time, even after the zinc coating has been partially damaged by scratches or pores. Furthermore, in the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel. This protects the underlying material from attack.



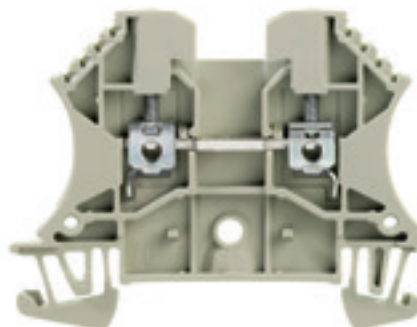
The surface protection ensures a high contact force, even in the presence of cracks

## Conductive substances

The current-carrying materials copper, brass and bronze are characterised by high conductivity plus good mechanical properties. The surfaces are usually coated with zinc. Besides corrosion protection, this ensures high contactability, which leads to low contact resistance. Solder connections also have a zinc layer. In order to guarantee long-term solderability, an additional nickel coating is applied to the brass parts as a diffusion barrier. The nickel coating provides effective protection against outward diffusion of zinc atoms from the brass.

## Connections proven a million times

Two materials are perfectly suited for our connection systems: steel provides for mechanical stability and copper for electrical conductivity. The terminal units consist of hardened steel – for very high contactability. The current bars are made of copper and ensure low voltage drops.



Whether rigid or flexible conductors, with or without wire-end ferrules – the right copper conductor is available for every connection system

# Insulating materials

Insulating materials tailored to the respective application ensure that our products optimally meet your requirements. In the selection of materials, we take care in ensuring high environmental compatibility: the insulating materials we use are free from hazardous substances such as cadmium and colour pigments based on heavy metals, as well as substances forming dioxins and furans.

## Material

### Ceramic

### Duroplasts

	Plastic/abbreviation	Ceramic	Gemin KrG	Epoxy resin (EP)
			Ceramic is an excellent material for electronics because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, low loss factor and high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.	Duroplasts have high dimensional stability, low water absorption, extremely good tracking resistance and outstanding fire resistance.  The continuous operating temperature is higher than that of thermoplastics. The deformation resistance of the duroplasts under elevated thermal load is better than for thermoplastics.  A disadvantage compared with thermoplastics is the low flexibility of duroplasts.
		Insulating material	Melamine resin moulding compound MF type 150 (DIN EN ISO 14 528) inorganic filler	Epoxy resin with inorganic filler
Colour		white	medium yellow	black
Description		<ul style="list-style-type: none"> <li>• Top continuous operating temperature</li> <li>• High fire resistance</li> <li>• Liquid-repellent</li> <li>• High tracking resistance</li> <li>• Inherent flame protection</li> </ul>	<ul style="list-style-type: none"> <li>• High constant operating temperature</li> <li>• High fire resistance</li> <li>• High tracking resistance</li> <li>• Inherent flame protection</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• Very good electrical properties</li> <li>• Very high constant operating temperature</li> <li>• Resistant against high-energy radiation</li> <li>• Halogen and phosphorous-free flame retardant</li> </ul>
Properties				
Volume resistance acc. to IEC 60093	$\Omega \times \text{cm}$	-	$10^{11}$	$10^{14}$
Dielectric strength acc. to IEC 60243-1	kV/mm	> 10	10	160
Tracking resistance (A) acc. to IEC 60112	CTI	$\geq 600$	$\geq 600$	$\geq 600$
Upper max. permissible limit temperature	°C	250	130	160
Lower max. permissible limit temperature (static)	°C	-60	-60	-60
Flammability acc. to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0
Flammability characteristics acc. to German railway standard				

## Thermoplastics

Wemid	Polyamide (PA)	Polyamide (PAGF)	Polybutylene terephthalate (PBT)	Polycarbonate (PC)
<p><b>Wemid</b> is a modified thermoplastic which has properties tailored to meet the requirements of our line connectors. Advantages over PA are the improved fire protection and the higher continuous operating temperature. Wemid meets the strict requirements for use in railway vehicles acc. to NF F 16-101.</p>	<p><b>Polyamide (PA)</b> is one of the most widely used engineering plastics. The advantages of this substance are its good electrical and mechanical properties, its flexibility and lack of fracture susceptibility. In addition, PA offers good fire resistance on account of its chemical structure, even without the addition of flame retardants.</p>	<p><b>Glass-fibre reinforced polyamide (PAGF)</b> offers outstanding dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. As compared to non-reinforced PA, this material has flammability rating HB according to UL 94.</p>	<p><b>Thermoplastic polyester (PBT)</b> offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.</p>	
Special Weidmüller insulating material	Insulating material	Insulating material	Depending on application with or without glass fibre reinforcement	Depending on application with or without glass fibre reinforcement
<b>dark beige</b>	<b>beige</b>	<b>beige</b>	<b>orange</b>	<b>grey</b>
<ul style="list-style-type: none"> <li>• Higher continuous operating temperature</li> <li>• Improved fire resistance</li> <li>• Halogen- and phosphorus-free flame retardant</li> <li>• Low smoke produced in the event of fire</li> <li>• Permitted for use in railway applications acc. to NF F 16-101</li> </ul>	<ul style="list-style-type: none"> <li>• Flexible, lack of fracture susceptibility</li> <li>• Good electrical and mechanical characteristics</li> <li>• Self-extinguishing characteristic</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent dimensional stability</li> <li>• Very good mechanical characteristics</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• High dimensional stability</li> <li>• Good electrical and mechanical characteristics</li> <li>• Flame retardant that does not form dioxins or furans</li> </ul>	<ul style="list-style-type: none"> <li>• High dimensional stability</li> <li>• High continuous operating temperature</li> <li>• High electrical insulation properties</li> <li>• Halogen-free flame retardant material</li> </ul>
10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>13</sup>	10 <sup>16</sup>
25	30	30	28	≥ 30
600	600	500	200	≥ 175
130	100	100	115 / 130	115 / 125
-60	-50	-50	-50	-50
V-0	V-2	HB	V-0	V-2 / V-0
I2 / F2 *)				I2 / F2
*) also certified to LUL E 1042				

## Relevant standards – an overview

Standards have the status of a recommendation and are not legally binding. They serve to ensure the safety of systems and represent the acknowledged state of the art. We therefore always recommend compliance with the contents – irrespective of agreements and customer requirements.

### D

#### **The Low Voltage Directive IEC/EN 61439**

Since November 2014, IEC/EN 61439 has replaced the previously applicable standard IEC/EN 60439 for low-voltage switchgear and controlgear assemblies. It comprises seven parts:

1. General rules for low-voltage switchgear and controlgear assemblies (SCA)
2. Power switchgear and controlgear assemblies (PSC)
3. Distribution boards
4. Assemblies for construction sites
5. Cable distribution cabinets
6. Busbar distribution systems
7. Assemblies for marinas, camping sites, electric vehicles charging stations (preliminary standard)

In order to confirm compliance with IEC/EN 61439, it is important that you always refer to Part 1 and one of the following parts. The standard is addressed to every manufacturer and operator of switchgear and controlgear assemblies (SCA) up to 1,000 V AC and 1,500 V DC. Irrespective of whether you assemble the SCA stationary or mobile, with or without enclosure system.

#### **The low-voltage switchgear standard IEC/EN 60947-1**

This standard applies for industrial low-voltage switchgear assemblies used in circuits up to 1,000 V AC or 1,500 V DC. It defines the general rules and requirements for low-voltage switchgear assemblies. This includes, for example, the definition, characteristic features, information to be supplied, normal conditions for operation, installation and transport as well as requirements for the construction and verification of characteristic features and behaviour.

## Interaction between the standards

### IEC/EN 61439 for switchgear and controlgear assemblies

With the withdrawal of the previous version on 23 September 2014, the DIN EN 61439: 20 0-06 standard for "Low-voltage switchgear and controlgear assemblies" – Part 1: General rules became binding for the switchgear and controlgear assemblies defined. This standard includes a series of changes that you have to consider as a switchgear manufacturer. However, these changes have no direct influence on the components, such as terminal blocks, which have to comply with the relevant product standard.

### The importance of DIN EN 61439 for components

Components that meet the requirements of the applicable product standard are suitable for direct use in switchgear systems. They must, however, take the definitions of standard series DIN EN 61439 into consideration.

The properties required from DIN EN 61439-1 are covered by the product standard for terminal blocks EN 60947-7-1(2, 3). As an aid for the required design verification for switchgear and controlgear assemblies, the following table provides you with further information on terminal blocks. Additional design verification is not required for individual items of equipment or components.

### Summarised

- IEC/EN 61439 is a new series of standards for the construction of switchgear and controlgear systems
- With the design verification, you as the manufacturer provide evidence for the suitability of the system
- You still confirm conformity with the standard by signing the EC Declaration of Conformity

## Low-voltage switchgear and controlgear assembly

### Original manufacturer

1.

#### Design verification

A combination of the variants is also conceivable

Variant 1: **Testing**

Variant 2: **Appraisal (incl. calculation)**

Variant 3: **Comparison with reference construction**

### Low-voltage switchgear and controlgear assemblies

2.

#### Manufacturer of the switchgear and controlgear assemblies

Switchgear manufacturer

Variant 1:  
**Comparison with a reference construction without changes**

The manufacturer of the switchgear and controlgear assemblies does not become the original manufacturer

Variant 2:  
**Original system with changes**

The manufacturer of the switchgear and controlgear assemblies becomes the original manufacturer

Design verification for changes

### Routine verification

3.

#### Switchgear and controlgear assemblies ready for operation

Guidelines for the construction of a switchgear and controlgear assemblies in accordance with the standard

# Checklist design verification according to IEC/EN 61439

## Design verification for terminal blocks and their accessories

Nr.	Characteristics to be proved	Section	Adaptability for terminal blocks																																				
1	Strength of material and parts: <ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul> properties of insulation material: <ul style="list-style-type: none"> <li>• Thermal stability</li> <li>• Resilience to extreme heat and fire due to internal electrical effects</li> <li>• Resistance to UV radiation</li> <li>• Lifting</li> <li>• Impact test</li> <li>• Marking</li> </ul>	10.2 10.2.2 10.2.3 10.2.3.1 10.2.3.2 10.2.4 10.2.5 10.2.6 10.2.7	The requirements refer exclusively to cabinets for switchgear. Terminal blocks are designated for the installation in appropriate cabinets.  The requirements refer exclusively to parts of the switchgear and controlgear assembly. Inserted components like terminal blocks are not affected. Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks bear the inscriptions, like it is determined in section 5 of the product standard.																																				
2	Degree of protection and enclosures	10.3	Terminal blocks are designated for the installation in cabinets, thus not relevant																																				
3	Clearances	10.4	The required clearances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
4	Creepage distances	10.4	The required creepage distances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
5	<ul style="list-style-type: none"> <li>• Protection against electric shock and integrity of protective circuits</li> <li>• Effective continuity between the exposed conductive parts of the assembly and the protective circuit</li> <li>• Short-circuit withstand strength of the protective circuit</li> </ul>	10.5 10.5.2 10.5.3	Covered by the type test for modular PE conductor terminals according to EN 60947-7-2. The quality and consistency of the PE conductor connection has to be verified by resistance measurement at the end use.  Not relevant, has to be judged in the end use. PE conductor terminals are subjected to a test of short-time withstand current in the context of the type test according to EN 60947-7-2.																																				
6	Installation of equipment	10.6	Installation and tight fit of terminal blocks is secured by the requirements and relevant tests according to the product standard.																																				
7	Internal circuits and connections	10.7	Not relevant, has to be judged in the end use for terminal blocks.																																				
8	Connections for conductors inserted from outside	10.8	Secured by selection of the terminal block as well as its type test according to EN 60947-7-1(2). The final assessment has to be made in the end use.																																				
9	Insulation properties: <ul style="list-style-type: none"> <li>• Operating frequency dielectric strength</li> <li>• Surge voltage strength</li> </ul>	10.9 10.9.2 10.9.3	Tests to the insulation properties are part of the dimensioning of type tested terminal blocks according to EN 60947-7-1(2). The verification for the switchgear and controlgear assembly takes place in the end use for the terminal blocks.																																				
10	Temperature rise limits	10.10	The rated values for terminal blocks according to EN 60947-1(2, 3) can be used for the dimensioning of the temperature rise limits. The verification has to be provided for the respective application, e.g. by measurement or calculation. The calculation of the terminal block's power dissipation can take place in the application by means of the electrical resistance as a function of current: $P_{\text{loss}} = R_{\text{max}} \cdot I^2$  Following maximum resistances per electrical potential according to EN 60947-7-1(2, 3) subject to the cross section for the terminal block are permitted: <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Cross section/mm<sup>2</sup></td> <td>1.5</td> <td>2.5</td> <td>4</td> <td>6</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td>Electrical resistance/mΩ</td> <td>1.83</td> <td>1.33</td> <td>1.00</td> <td>0.78</td> <td>0.56</td> <td>0.42</td> <td>0.32</td> <td>0.26</td> </tr> <tr> <td>Cross section/mm<sup>2</sup></td> <td>50</td> <td>70</td> <td>95</td> <td>120</td> <td>150</td> <td>185</td> <td>240</td> <td>300</td> </tr> <tr> <td>Electrical resistance/mΩ</td> <td>0.21</td> <td>0.17</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.06</td> </tr> </tbody> </table>	Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35	Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26	Cross section/mm <sup>2</sup>	50	70	95	120	150	185	240	300	Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06
Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35																															
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Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06																															
11	Short-circuit withstand strength	10.11	<p><b>For cross sections up to 35 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5ms) protection devices &lt;100 A (fort I<sub>cp</sub> &lt;10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> ≤ 10 kA (in front of the switchgear), a forward current I<sub>D</sub> with maximum 17 kA will arise with an upstream protection device. According to the section 10.11.2 of EN 61439-1, the switchgear manufacturer does not have to provide evidence in this case. This requirement is fulfilled by protection devices up to 100 A equipment (application of up to 35 mm<sup>2</sup> terminal blocks).</p> <p><b>For cross sections from 50 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5 ms) protection devices ≤ 630 A (I<sub>cp</sub> &gt; 10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> &gt; 10 kA (in front of the switchgear), a forward current I<sub>D</sub> will flow of up to the period of 5 ms with an upstream protection device. The switchgear manufacturer has to provide evidence for the maximum forward current I<sub>D</sub> by declaration of the terminal block's I<sub>pk</sub> (surge current strength, which the terminal block is able to conduct without being destroyed).</p>																																				
12	Electromagnetic compatibility	10.12	Not relevant, because terminal blocks are seen as passive components according to the product standard EN 60947-7-1(2, 3).																																				
13	Mechanical operation	10.13	Not relevant																																				



# Technical requirements from the standards

## Rated cross-section

The rated cross-section of a terminal block is the value of the connectable wire cross-section, as specified by the manufacturer. This serves as a reference for certain thermal, mechanical and electrical requirements. The rated cross-section is selected from the following standard cross-sections: 0.2 – 0.5 – 0.75 – 1.0 – 1.5 – 2.5 – 4.0 – 6.0 – 10 – 16 – 25 – 35 – 50 – 70 – 95 – 120 – 150 – 240 – 300 mm<sup>2</sup>.

Terminal blocks have a rated connection capacity that is at least two levels lower than the rated cross-section. The conductors can be solid, stranded or flexible, possibly with conductor end pretreatment. The verification of the rated cross-section is performed with gauges according to IEC 60947-1.

## Rated current IEC 60947-7-1

Test currents are assigned to the rated cross-sections according to IEC 60947-7-1. These rated currents cause no impermissible heat transfer to the terminal:

mm <sup>2</sup>	1.5	2.5	4.0	6.0
A	17.5	24	32	41

mm <sup>2</sup>	10	16	25	35
A	57	76	101	125

mm <sup>2</sup>	50	70	95	120
A	150	192	232	269

mm <sup>2</sup>	150	185	240	300
A	309	353	415	520

## Conventional free-air thermal current (I<sub>th</sub>)

The conventional thermal current in free air (I<sub>th</sub>) is the highest test current for heating tests of unenclosed devices (see 4.3.2.1 of IEC 60947-1.) This applies exclusively to terminal blocks with multiple connection levels (multi-tier terminals) and to test-disconnect terminal blocks for which current reduction is permissible.

## Rated voltage IEC 60947-7-1

The rated voltage of a terminal block is the rated insulation voltage to which the insulation tests and creepage distances relate. It is determined analogously to IEC 60664-1.

## Rated surge voltage IEC 60947-7-1

The rated surge voltage is the peak value of a surge voltage with which the terminal blocks can be subjected. The clearance distances in IEC 60947-1 and IEC 60664-1 are related to it.

## Pollution severity IEC 60947-7-1

The pollution severity defines the influence of solid, liquid or gaseous foreign matter, which may reduce the dielectric strength or the specific surface resistance. Pollution severity 3 has been specified for terminal blocks for industrial applications: conductive contamination occurs on dry, non-conductive contamination which becomes conductive as moisture condensation may also occur. The minimum air clearance measurement is defined in IEC 60947-7-1 in conjunction with the rated surge voltage.

## Operating conditions

The terminal blocks can be operated under the following normal conditions:

- Ambient temperature –5 °C to +40 °C, mean value 24 h +35 °C
- Altitude up to 2000 m above sea level
- Relative humidity: 50 % at +40 °C, 90 % at +20 °C

# Testing the contact security

## Construction requirements

IEC 60947-7-1 requires that clamping points must ensure a reliable mechanical and electrical connection with permanent contact.

## Tests

Standardised tests offer you the assurance that wired connections comply with the required conditions. IEC 60947-7-1 stipulates a series of tests for wire connections in terminal blocks. One or more terminals of a particular type are tested for agreement with certain limit values. These include:

- Insulation test
- Evidence of the voltage drop
- Testing of the short-time withstand current capacity
- Aging testing for terminal blocks with tension clamp, insulation displacement and PUSH IN connection technology

## Special testing

Beyond the stipulated scope of type testing, further tests can be performed at your own discretion or in agreement with the user.

## Contact security

The high level of contact security and reliability are verified with our systems using various tests (see table).



### 1 Type testing acc. to IEC 60947-7-1

### 2 Stricter Weidmüller tests

#### 2.1 Mechanical tests:

- Vibration testing to Weidmüller requirements
- Natural resonance characteristics acc. to IEC 60068-2-6
- Shock and vibration testing acc. to BV 0440/... and BV 0430/

#### 2.2 Environmental testing:

- Cold testing acc. to EN 60068-2-1
- Damp heat (steady state) acc. to IEC 60512-6 test 11c
- Damp heat (steady state) acc. to IEC 60068-2-30
- Damp heat (cyclic) acc. to IEC 60068-2-30
- Salt spray testing acc. to IEC 60068-2-11
- Sulphur dioxide SO<sub>2</sub> acc. to IEC 60068-2-42
- Hydrogen sulphide H<sub>2</sub>S acc. to IEC 60068-2-43
- Gas tightness acc. to IEC 605 12\_6\_PR 11n

### 3 National and international approvals

### 4 Practice, i.e. the use of systems in harsh areas of application in industry, e.g. Ex applications

# Protection against inadvertent, direct touching, of hazardous live parts

## Touch-safe protection acc. to IEC 60529

The IP protection class, for example, IP20 against direct touching, relates to electrical equipment intended for installation in claddings. It is usually protected against direct (accidental) touching by fingers. Touch-safe protection acc. to IEC 60529 is therefore satisfied. You can test it acc. to IEC 61032 in all actuating directions by using a jointed test finger with a force of 10 N.

## Finger safety according to DIN EN 61031

Finger safety is satisfied if, according to EN 61032, the straight test finger does not touch any hazardous parts in the actuating direction. You conduct this test with conductors of the rated cross-section connected.

## Back of hand safety according to EN 61032

Back of hand safety is satisfied if, according to EN 61032, a sphere of diameter 50 (+0.01) mm with a force of 50 ( $\pm 5$ ) N does not touch any hazardous parts.

## Actuation conditions according to IEC 60947-7-3

IEC 60947-7-3 paragraph 7.1.8 specifies that fuse terminal blocks must be constructed in such a way that live parts cannot be touched. Finger safety for live parts of the cartridge fuse must be maintained while the cartridge fuse is replaced. If it is necessary to maintain protection against electric shock, label with "line-load" or arrows that indicate the energy flow direction.

### In general:

Not all installation components have to be configured touch-safe, as in the example of terminal blocks. A touch-safe construction is only required if these components are arranged in a direct radius of 30 mm around the operation elements and the system cannot be insulated (exception allowed on the basis of the construction using accessories in each case).

## Terminal blocks in the Ex environment

Harsh industrial environments and explosive risk zones, such as in the oil and gas industry, make extreme demands on safety, robustness and quality of products and devices. Numerous standards describe what has to be considered in Ex environments. They serve as the basis for extensive approvals.

D

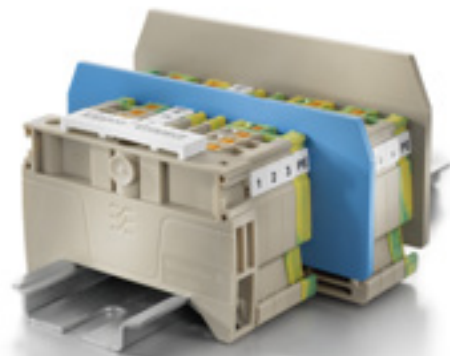


### Issuing of the type examination certificate

Notified bodies issue you EC/EU type examination certificates in accordance with EN 60079-0/60079-7 and the ATEX Directive. EU type examination certificates in accordance with Directive 94/9/EC are also recognised under the new Directive 2014/34/EU. By issuing the Production Quality Assurance Notification, a notified body confirms that the requirements of the ATEX Directive are fulfilled according to Annexes IV and VII.

### Confirmed according to the European Ex Directive Basic principles

The basic provisions for terminal blocks and PE terminal blocks are IEC 60947-7-1 (EN 60 947-7-1 / VDE 0611T.1) and IEC 60 947-7-2 (EN 60 947-7-2 / VDE 0611T.3). EN 60079-0 is applicable for use in explosive risk zones and in case of elevated safety "e" EN 60079-7.



### Terminal blocks in the Ex environment

According to EN 60079-0, Ex terminal blocks are "Ex components". By definition, these are components required for the safe operation of devices and protection systems, without fulfilling an autonomous function, however. They are approved for explosion protection type "e" and, according to the European ATEX Directive, they are not identified with the CE mark.

### Electrical data

The values of current-carrying capacity specified in the catalogue relate to an ambient temperature of 40 °C. On loading with a rated current +10 %, the current bar of the terminal blocks heats up by a maximum of 40 K. Taking a further safety margin from EN 60079-0 into account, the following definitions arise:

Temperature class	Ambient temperature
General	-60 to +110 °C
T6	-60 to +40 °C
T5	-60 to +55 °C
T4	-60 to +70 °C

The permitted nominal current must be reduced accordingly if the actual ambient temperature is higher. The continuous operating temperature according to EN 60079-0 for the material KrG is 130 °C, for Wemid 130 °C and for the material PA 80 °C.

#### Identification

##### ATEX-directive: Ⓜ II 2 GD

- Ⓜ Ex equipment
- II 2-G device group II category 2  
(Zone 1 equipment)
- II 2-D device group II category 2  
(Zone 21 equipment)

##### EN 60079-7: Ex e II

- Ex Explosion protection
- e Increased safety
- II Equipment group

##### DEMKO 14ATEX1338U (example)

- DEMKO Notified body
- ATEX Conformity with ATEX Directive
- U Component

### Accessories

The accessories you can use is listed in the Ex certificates. To adhere to the creepage and clearance distances for Ex e, use terminations and partition plates.

### Design and accessories for Ex i

Terminal blocks for intrinsically-safe circuits ("i") are passive components. Therefore, for use in intrinsically-safe circuits, you do not need a type examination certificate. We recommend blue terminals for clear identification and easy recognition. These, as well as the accessories, have to comply with the type according to EN 60079-11.

### Clamping capacity of two conductors under Ex e

In case of the terminal block with screw connection (W-Series), it is generally permissible to also connect two conductors per clamping point, provided this is verified in the scope of type testing according to IEC 60947-7-1 and 60947-7-2. It is important to be sure that two of the same cross-sections are used below the rated cross-section.

### ATEX directives

Since July 1, 2003, all new facilities in explosion risk zones must be certified according to ATEX Directive 94/9/EC or ATEX 95 (ATEX: ATmosphère EXplosive = explosive atmosphere). This directive is one of the "New Approach" directives. It is valid in all countries of the European Economic Area ("EEA"), as well as Iceland, Lichtenstein and Norway. In these countries, the directive refers to the sale and commissioning of products which have been designed particularly for high explosion risk environments (where explosive atmospheres exist due to gases, vapours, mists or dusts).

Directive 94/9/EC was superseded on April 20, 2016 by the directive 2014/34/EU.

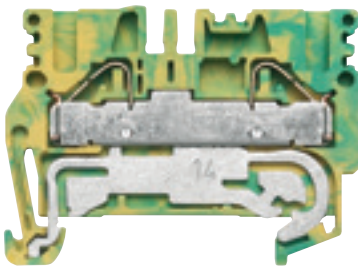
## Definitions of design types

### PE terminal blocks



#### Functional description:

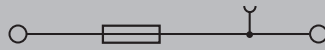
PE terminal blocks establish the electrical and mechanical connection between copper conductors and the mounting support plate. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.



#### Relevant standards:

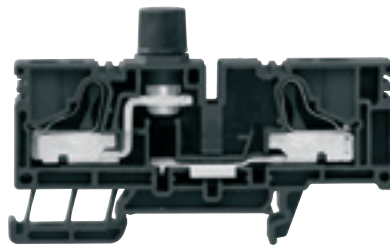
- IEC 60947-7-2

### Fuse terminal blocks



#### Functional description:

Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.



#### Relevant standards:

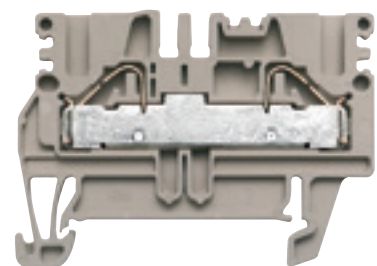
- IEC 60947-7-3  
in conjunction with VDE 0636
- IEC 60127-2

### Feed-through terminal blocks



#### Functional description:

A feed-through terminal block is suitable for joining and/or connecting conductors and can have one or more connection levels that are insulated against one another.



#### Relevant standards:

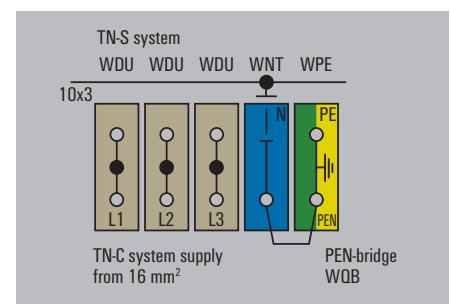
- IEC 60947-7-1 / EN 60947-7-1

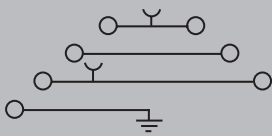
### PEN function

For the PEN function application, it is only permissible to use copper terminal rails according to IEC 60947-7-2.

### Using TS 35 × 15

TS 35 × 15 terminal rails for PE terminal blocks with a minimum rated cross-section of 16 mm<sup>2</sup> guarantee compliance with the required current-carrying capacity.



**Multi-tier distribution terminal blocks****Functional description:**

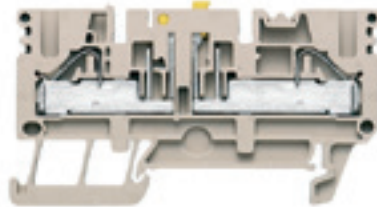
Multi-tier distribution terminal blocks have several connection levels and are used to join and/or connect external, neutral and protective earth conductors with a conducting PE connection to the mounting support plate. The N conductor can be disconnected to measure the insulation.

**Relevant standards:**

- IEC 60947-7-1
- IEC 60947-7-2
- DIN VDE 0611-4

**Test disconnect terminal blocks****Functional description:**

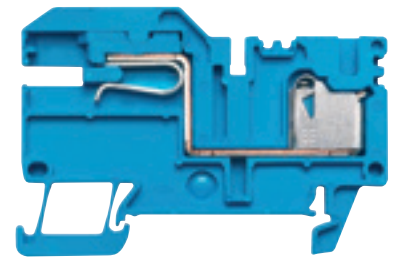
You can use test disconnect terminal blocks to test and measure electric circuits in the absence of voltage. While the disconnecting point's clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

**Relevant standards:**

- IEC 60947-7-1

**Neutral conductor disconnect terminal blocks****Functional description:**

Neutral conductor disconnect terminal blocks have one longitudinal disconnecter for connection to a neutral conductor busbar. The longitudinal disconnecter is used to measure the insulation resistance against earth. It also enables simple testing without any need to disconnect the neutral conductor.

**Relevant standards:**

- IEC 60947-7-1

## Our expertise for your requirements

### Service connects – worldwide

**D** Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity. Our worldwide network of industrial managers for machine construction, process automation, energy and traffic engineering and for device manufacturers know the challenges you face and can support you in your specific applications.

Training course on technologies, applications and the detailed functionality of our products is available to you locally or at our headquarter in Germany. Our personal support can answer any questions reliably and expertly. Our online services are available 365 day a year around the clock to provide answers to your questions on our products - from user documentation through software to planning tools.

In short: Weidmüller's global service combines our expertise with your requirements.







**Professional advice on planning**

Our global network of industrial managers has extensive experience in automation technology and electrical connectivity. This expertise allows us to assist you with advice and planning support in order to work with you on resolving the everyday challenges of your applications.



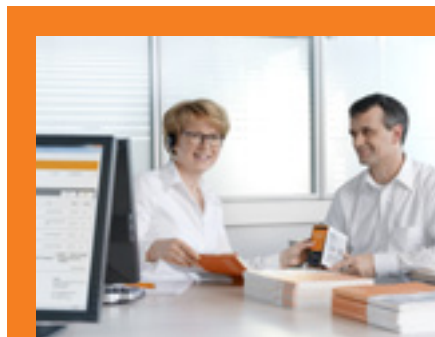
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ST 4000/L P180	1809200000	A.281	STB 25 IH/VI	0211300000	A.52	TSTW 5/M5 ZN	1779100000	C.22	WAD 27 M. BL	1062860000	B.8
ST 4000/L P180	1809200000	A.281	STB 30.5 IH/BL	0341200000	A.54	TSTW 6/M6	0164000000	C.22	WAD 27 NEUTRAL	1062960000	A.181
ST 4000/L S180	1809480000	A.281	STB 30.5 IH/GE	0341500000	A.54	TW AK22.5	0318560000	A.166	WAD 27 NEUTRAL	1062960000	A.182
ST 4000/L S180	1809480000	A.281	STB 30.5 IH/GR	0341400000	A.54	TW AK24	0348260000	A.168	WAD 27 NEUTRAL	1062960000	B.7
ST 4000/S C130	1809230000	A.280	STB 30.5 IH/RT	0341100000	A.54	TW PRV16	1173630000	B.76	WAD 27 NEUTRAL	1062960000	B.8
ST 4000/S C130	1809230000	A.280	STB 30.5 IH/SW	0341300000	A.54	TW PRV16	1173630000	B.76	WAD 4 GE BED	1072000000	A.165
ST 4000/S CB M10/4	1809260000	A.280	STB 30.5 IH/VI	0341000000	A.54	TW PRV16 0-15	1230130000	B.76	WAD 4 GE BED	1072000000	A.167
ST 4000/S CB M10/6	1809270000	A.280	STB 30.5 IH/VI	0341600000	A.54	TW PRV16 0-15	1230130000	B.76	WAD 4 GE BED	1072000000	A.167
ST 4000/S CB M8/4	1809250000	A.280	STB 35 IH/BL	0388700000	A.54	TW PRV16 1-16	1230120000	B.76	WAD 4 GE BED	1072000000	A.168
ST 4000/S E150	1809210000	A.280	STB 35 IH/GE	0388900000	A.52	TW PRV16 1-16	1230120000	B.76	WAD 4 GE BED	1072000000	A.170
ST 4000/S E150	1809210000	A.280	STB 35 IH/GE	0389000000	A.52	TW PRV16 A-P	1230140000	B.76	WAD 4 GE BED	1072000000	A.184
ST 4000/S J2 M10	1809340000	A.280	STB 35 IH/GE	0389000000	A.54	TW PRV16 A-P	1230140000	B.76	WAD 4 GE BED	1072000000	A.185
ST 4000/S J2 M8	1809310000	A.280	STB 35 IH/GR	0388900000	A.54	TW PRV4	1173700000	B.74	WAD 4 GE BED	1072000000	A.185
ST 4000/S J3 M8	1809320000	A.280	STB 35 IH/GR	0388600000	A.54	TW PRV4	1173700000	B.74	WAD 4 GE BED	1072000000	A.185
ST 4000/S M10	1809130000	A.280	STB 35 IH/RT	0388800000	A.54	TW PRV4	1173700000	B.77	WAD 4 GE BED	1072000000	A.187
ST 4000/S M10 F	1809140000	A.280	STB 35 IH/SW	0388500000	A.54	TW PRV4 0-3	1230060000	B.74	WAD 4 GE BED	1072000000	A.237
ST 4000/S M8	1809110000	A.280	STB 35 IH/VI	0389100000	A.52	TW PRV4 0-3	1230060000	B.74	WAD 4 GE BED	1072000000	A.237
ST 4000/S M8 F	1809120000	A.280	STB 35 IH/VI	0389100000	A.54	TW PRV4 0-3	1230060000	B.77	WAD 4 GE BED	1072000000	A.238
ST 4000/S P150	1809190000	A.280	STB 36.8 IH/BL WTL6/1	1847790000	A.52	TW PRV4 1-4	1230050000	B.74	WAD 4 GE BED	1072000000	A.238
ST 4000/S P150	1809190000	A.280	STB 36.8 IH/BL WTL6/1	1847790000	A.52	TW PRV4 1-4	1230050000	B.74	WAD 4 GE BED	1072000000	A.239
ST 4000/S S150	1809470000	A.280	STB 36.8 IH/DB WTL6/1	1847740000	A.55	TW PRV4 1-4	1230050000	B.77	WAD 4 WS	1072100000	A.165
ST 4000/S S150	1809470000	A.280	STB 36.8 IH/DB WTL6/1	1847740000	B.48	TW PRV4 A-D	1230070000	A.74	WAD 4 WS	1072100000	A.167
STB 14/D6/4/M3 SAK10	0169900000	A.52	STB 36.8 IH/DB WTL6/1	1847740000	B.48	TW PRV4 A-D	1230070000	B.74	WAD 4 WS	1072100000	A.167
STB 14/D6/4/M3 SAK10	0169900000	A.54	STB 36.8 IH/GE WTL6/1	1847760000	A.52	TW PRV4 A-D	1230070000	B.77	WAD 4 WS	1072100000	A.168
STB 14/D6/4/M3 SAK10	2012420000	B.48	STB 36.8 IH/GE WTL6/1	1847760000	A.52	TW PRV8	1173670000	B.75	WAD 4 WS	1072100000	A.170
STB 14/D6/4/M3 SAK10	2012420000	B.48	STB 36.8 IH/GE WTL6/1	1847770000	A.52	TW PRV8	1173670000	B.75	WAD 4 WS	1072100000	A.184
STB 14/D6/4/M3 SAK10	2012420000	B.57	STB 36.8 IH/GR WTL6/1	1847770000	A.52	TW PRV8	1173670000	B.77	WAD 4 WS	1072100000	A.185
STB 14/D6/4/M3 SAK10	2012420000	B.57	STB 36.8 IH/VI WTL6/1	1847780000	A.52	TW PRV8 0-7	1230090000	B.75	WAD 4 WS	1072100000	A.185
STB 14/D6/4/M3 SAK10	2012420000	B.57	STB 36.8 IH/VI WTL6/1	1847780000	A.52	TW PRV8 0-7	1230090000	B.75	WAD 4 WS	1072100000	A.185
STB 14/D6/4/M3 SAK10	2012420000	B.58	STB 8.5/5/2.3/M3 SAK2.5	0280600000	B.56	TW PRV8 0-7	1230090000	B.77	WAD 4 WS	1072100000	A.187
STB 21.6/45 BL	1936290000	A.55	STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.164	TW PRV8 1-8	1230080000	B.75	WAD 4 WS	1072100000	A.237
STB 21.6/45 BL	1936290000	B.48	STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.166	TW PRV8 1-8	1230080000	B.75	WAD 4 WS	1072100000	A.237
STB 21.6/45 BL	1936290000	B.48	STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.168	TW PRV8 1-8	1230080000	B.77	WAD 4 WS	1072100000	A.238
STB 21.6/45 BL	1936290000	B.57	STGH 4 ZRV1.5	1698190000	A.134	TW PRV8 A-H	1230110000	B.75	WAD 4 WS	1072100000	A.238
STB 21.6/45 BL	1936290000	B.57	STGH 4 ZRV1.5/PE GN	1698200000	A.134	TW PRV8 A-H	1230110000	B.75	WAD 4 WS	1072100000	A.239
STB 21.6/45 BL	1936290000	B.57	STGH O.R/SW ZRV2.5	1898420000	A.135	TW PRV8 A-H	1230110000	B.77	WAD 5 MC NE GE	1112920000	A.166
STB 21.6/45 BL	1936290000	B.58	STGH O.R/SW ZRV2.5	1898420000	A.135	TW PRV8 A-H	1230110000	B.77	WAD 5 MC NE GE	1112920000	A.167
STB 21.6/45 DB	1938790000	A.55	STGH O.ZA ZRV2.5	1907010000	A.135	TW PRV8 A-H	1230110000	B.77	WAD 5 MC NE GE	1112920000	A.169
STB 21.6/45 GE	1936240000	A.52	STGH O.ZA ZRV2.5	1907010000	A.135	VH 12/4.9/3.3 SAK6N	0249000000	A.55	WAD 5 MC NE GE	1112920000	A.169
STB 21.6/45 GE	1936240000	A.55	STGH O.ZA/O.R/SW ZRV2.5	1898430000	A.135	VH 13.5/4.9/3.3 SAK4	0248500000	B.60	WAD 5 MC NE GE	1112920000	B.105
STB 21.6/45 GE	1936240000	A.55	STGH O.ZA/O.R/SW ZRV2.5	1898430000	A.135	VH 13.5/4.9/3.3 SAK4	0248500000	B.60	WAD 5 MC NE GE	1112920000	B.105
STB 21.6/45 GE	1936240000	B.48	STGH ZRV2.5	1907000000	A.135	VH 16/5/3.5 SAK10-35	0309700000	A.52	WAD 5 MC NE WS	1112910000	A.166
STB 21.6/45 GE	1936240000	B.48	STGH ZRV2.5	1907000000	A.135	VH 16/5/3.5 SAK10-35	0309700000	A.52	WAD 5 MC NE WS	1112910000	A.167
STB 21.6/45 GE	1936240000	B.57	STR 7 F.SCHT 7	0515300000	A.129	VH 16/5/3.5 SAK10-35	0309700000	A.55	WAD 5 MC NE WS	1112910000	A.169
STB 21.6/45 GE	1936240000	B.57	STR 7 F.SCHT 7	0515300000	A.129	VH 16/5/3.5 SAK10-35	0309700000	B.57	WAD 5 MC NE WS	1112910000	A.169
STB 21.6/45 GE	1936240000	B.58	SWIFTY SET	9006060000	A.204	VH 16/5/3.5 SAK10-35	0309700000	B.57	WAD 5 MC NE WS	1112910000	B.105
STB 21.6/45 GN	1936250000	A.52	TNST	1833090000	A.120	VH 16/5/3.5 SAK10-35	0309700000	B.57	WAD 5 MC NE WS	1112910000	B.105
STB 21.6/45 GN	1936250000	A.52	TS 15X5 2M/AL/BK	0134700000	C.18	VH 16/5/3.5 SAK10-35	0309700000	B.58	WAD 8 MC NE GE	1112950000	A.172
STB 21.6/45 GN	1936250000	A.55	TS 15X5 2M/ST/ZN	0514200000	C.18	VH 19/6/4.2 SAKT1	0318000000	A.52	WAD 8 MC NE GE	1112950000	A.174
STB 21.6/45 GN	1936250000	B.48	TS 15X5/LL 1M/ST/ZN	0117510000	C.18	VH 19/6/4.2 SAKT1	0318000000	A.54	WAD 8 MC NE GE	1112950000	A.174
STB 21.6/45 GN	1936250000	B.57	TS 15X5/LL 2M/ST/ZN	0117500000	C.18	VLI 1.5 DB	1784120000	A.191	WAD 8 MC NE GE	1112950000	A.188
STB 21.6/45 GN	1936250000	B.57	TS 27X12.5M/ST/F.ZN	1802690000	B.100	VLI 1.5/PE DB	1784130000	A.191	WAD 8 MC NE GE	1112950000	A.189
STB 21.6/45 GN	193										



Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
WEW 35/2 GR 7042	1859200000	C.21	WMF 2.5 FU BLZ PE SW	1162820000	B.83	WQB 240/3	1802800000	A.182	WQV 4/10	1052060000	B.56
WEW 35/2 SW	1061210000	C.14	WMF 2.5 FU BLZ SW	1162980000	B.83	WQB 240/3	1802800000	B.8	WQV 4/2	1051960000	A.169
WEW 35/2 SW	1061210000	C.21	WMF 2.5 FU PE 100-250V SW	1163080000	B.80	WQB PEN 16N	1079600000	A.263	WQV 4/2	1051960000	A.169
WF 10	1780870000	A.268	WMF 2.5 FU PE 10-36V SW	1163050000	B.80	WQB PEN 35N	1079500000	A.263	WQV 4/2	1051960000	A.171
WF 10 NFF	1968950000	A.269	WMF 2.5 FU PE 30-70V SW	1163060000	B.80	WQB PEN 70N	1079700000	A.263	WQV 4/2	1051960000	A.171
WF 10/2BZ	1789790000	A.271	WMF 2.5 FU PE 60-150V SW	1163070000	B.80	WQB WPD X04/2	1561980000	B.20	WQV 4/2	1051960000	A.256
WF 12	1780880000	A.269	WMF 2.5 FU PE SW	1163040000	B.80	WQB WPD X04/2	1561980000	B.21	WQV 4/2	1051960000	B.105
WF 12 NFF	1968940000	A.269	WMF 2.5 FU SW	1162920000	B.80	WQB WPD X04/2	1561980000	B.21	WQV 4/2	1051960000	B.56
WF 5	1790130000	A.266	WNT 10 10X3	1010980000	B.133	WQB WPD X04/3	1561990000	B.20	WQV 4/3	1054560000	A.256
WF 5 NFF	1968990000	A.266	WNT 10 10X3 BE	1010900000	B.133	WQB WPD X04/3	1561990000	B.21	WQV 4/3	1054560000	B.56
WF 6	1780850000	A.267	WNT 16N 10X3	1019000000	B.133	WQB WPD X04/3	1561990000	B.21	WQV 4/4	1054660000	A.256
WF 6 NFF	1969000000	A.267	WNT 2.5 10X3	1010680000	B.132	WQB WPD X05/2	1561960000	B.22	WQV 4/4	1054660000	B.56
WF 6/2BZ	1789770000	A.270	WNT 2.5 10X3 BE	1010600000	B.132	WQB WPD X05/2	1561960000	B.22	WQV 4/5	1057860000	A.256
WF 8	1780860000	A.267	WNT 35N 10X3	1718550000	B.134	WQB WPD X05/2	1561960000	B.23	WQV 4/6	1057160000	A.256
WF 8 NFF	1968960000	A.268	WNT 4 10X3	1010780000	B.132	WQB WPD X05/3	1561970000	B.22	WQV 4/7	1057260000	A.256
WF 8/2BZ	1789780000	A.270	WNT 6 10X3	1010880000	B.133	WQB WPD X05/3	1561970000	B.22	WQV 50N/2	1834060000	A.180
WFF 120	1028500000	A.273	WNT 70N/35	9512210000	B.134	WQB WPD X05/3	1561970000	B.23	WQV 50N/2	1834060000	A.180
WFF 120 BL	1028580000	A.273	WP 2.5/1AN/1	1305270000	A.234	WQB-PEN 10	1060300000	A.263	WQV 50N/2	1834060000	A.256
WFF 120 NFF	1049240000	A.274	WP 2.5/1AN/1	1305270000	A.234	WQB-PEN 16	1060200000	A.263	WQV 50N/2	1834060000	B.107
WFF 120/AH	1029500000	A.273	WP 2.5/1AN/1	1305270000	A.235	WQB-PEN 35	1060100000	A.263	WQV 50N/2	1834060000	B.6
WFF 185	1028600000	A.274	WP 2.5/1AN/1	1305270000	A.235	WQL 2 WF10	1781010000	A.277	WQV 50N/2	1834060000	B.6
WFF 185 BL	1028680000	A.274	WP 2.5/1AN/1	1305270000	A.235	WQL 2 WF12	1781030000	A.277	WQV 50N/3	1834070000	A.180
WFF 185 NFF	1049250000	A.275	WP 2.5/1AN/10	1305280000	A.234	WQL 2 WF5	1812710000	A.277	WQV 50N/3	1834070000	A.180
WFF 185/AH	1029600000	A.274	WP 2.5/1AN/10	1305280000	A.234	WQL 2 WF6	1780970000	A.277	WQV 50N/3	1834070000	A.256
WFF 300	1028700000	A.275	WP 2.5/1AN/10	1305280000	A.235	WQL 2 WF6-10	1806620000	A.276	WQV 50N/3	1834070000	B.107
WFF 300/AH	1029700000	A.275	WP 2.5/1AN/10	1305280000	A.235	WQL 2 WF8	1808980000	A.276	WQV 50N/3	1834070000	B.6
WFF 35	1028300000	A.272	WP 2.5/1AN/10	1305280000	A.235	WQL 2 WF8	1780990000	A.277	WQV 50N/3	1834070000	B.6
WFF 35 BL	1028380000	A.272	WP4/1AN/1	1107790000	A.236	WQL 2 WFF120	1065100000	A.277	WQV 50N/4	1834080000	A.180
WFF 35 NFF	1049220000	A.272	WP4/1AN/1 ZA	1108490000	A.236	WQL 2 WFF185	1065200000	A.277	WQV 50N/4	1834080000	A.180
WFF 35/AH	1029300000	A.272	WP4/1AN/10	1107800000	A.236	WQL 2 WFF300	1065300000	A.277	WQV 50N/4	1834080000	A.256
WFF 70	1028400000	A.273	WPD 100 2X25/6X10 BL	1561920000	B.20	WQL 2 WFF35	1064900000	A.277	WQV 50N/4	1834080000	B.107
WFF 70 BL	1028480000	A.273	WPD 100 2X25/6X10 GN	1561930000	B.20	WQL 2 WFF70	1065000000	A.277	WQV 50N/4	1834080000	B.6
WFF 70 NFF	1049230000	A.273	WPD 100 2X25/6X10 GY	1561910000	B.20	WQL 3 WF10	1781020000	A.277	WQV 50N/4	1834080000	B.6
WFF 70/AH	1029400000	A.273	WPD 101 2X25/2X16 BK	1561100000	B.16	WQL 3 WF12	1781040000	A.277	WQV 6/10	1052260000	A.172
WFL 120/150	1616340000	A.182	WPD 101 2X25/2X16 BL	1560670000	B.16	WQL 3 WF5	1812740000	A.277	WQV 6/10	1052260000	A.172
WFL 120/150	1616340000	B.8	WPD 101 2X25/2X16 BN	1561120000	B.16	WQL 3 WF6	1780980000	A.277	WQV 6/10	1052260000	A.173
WFL 70/95	1616330000	A.181	WPD 101 2X25/2X16 GN	1560650000	B.16	WQL 3 WF6-10/2	1806640000	A.276	WQV 6/10	1052260000	A.173
WFL 70/95	1616330000	B.7	WPD 101 2X25/2X16 GY	1560730000	B.16	WQL 3 WF8	1781000000	A.277	WQV 6/10	1052260000	A.256
WHP 2.5-35N/10x3 BL	1050280000	B.132	WPD 102 2X35/2X25 BK	1561630000	B.18	WQL 3 WFF120	1065600000	A.277	WQV 6/10	1052260000	A.55
WHP 2.5-35N/10x3 BL	1050280000	B.132	WPD 102 2X35/2X25 BL	1561640000	B.18	WQL 3 WFF185	1065700000	A.277	WQV 6/10	1052260000	B.48
WHP 2.5-35N/10x3 BL	1050280000	B.133	WPD 102 2X35/2X25 BN	1561650000	B.18	WQL 3 WFF300	1065800000	A.277	WQV 6/10	1052260000	B.48
WHP 2.5-35N/10x3 BL	1050280000	B.133	WPD 102 2X35/2X25 GN	1561670000	B.18	WQL 3 WFF35	1065400000	A.277	WQV 6/10	1052260000	B.57
WHP 2.5-35N/10x3 BL	1050280000	B.133	WPD 102 2X35/2X25 GY	1561680000	B.18	WQL 3 WFF70	1065500000	A.277	WQV 6/10	1052260000	B.57
WHP 2.5-35N/10x3 BL	1050280000	B.134	WPD 103 2X70/2X50 BK	1561830000	B.19	WQL 4 WF10	1027840000	A.277	WQV 6/10	1052260000	B.57
WHP 2.5-35N/10x3 BL	1050280000	B.134	WPD 103 2X70/2X50 BL	1561780000	B.19	WQL 4 WFF8/3	1904960000	A.276	WQV 6/10	1052260000	B.58
WHP WDL2.5/S BL	1067980000	B.136	WPD 103 2X70/2X50 BN	1561820000	B.19	WQV 10/10	1052460000	A.257	WQV 6/10	1052260000	B.59
WHP WDL2.5/S BL	1067980000	B.136	WPD 103 2X70/2X50 GN	1561790000	B.19	WQV 10/2	1052560000	A.257	WQV 6/10	1052260000	B.59
WHP WDL2.5/S BL	1067980000	B.137	WPD 103 2X70/2X50 GY	1561770000	B.19	WQV 10/3	1054960000	A.257	WQV 6/2	1052360000	A.172
WHP WDL2.5/S BL	1067980000	B.137	WPD 104 1x25+1x16/2x16+3x10 GY	1562000000	B.20	WQV 10/4	1055060000	A.257	WQV 6/2	1052360000	A.172
WHP WDL2.5/S BL	1067980000	B.137	WPD 105 1x35+1x16/2x25+3x16 GY	1562170000	B.22	WQV 120/2	1063300000	A.257	WQV 6/2	1052360000	A.173
WHP WDL2.5/S BL	1067980000	B.138	WPD 106 1X70/2X25+3X16 GY	1562210000	B.12	WQV 120/3	1063400000	A.257	WQV 6/2	1052360000	A.173
WHP WDL2.5/S BL	1067980000	B.138	WPD 107 1X95/2X35+8X25 GY	1562220000	B.12	WQV 120-PEN	1072400000	A.263	WQV 6/2	1052360000	A.256
WHP WDL2.5/S BL	1067980000	B.139	WPD 108 1X120/2X35+3X25+4X16 GY	1562100000	B.13	WQV 16/10	1053360000	A.257	WQV 6/2	1052360000	A.55
WHP WDL2.5/S BL	1067980000	B.139	WPD 109 1X185/2X35+3X25+4X16 GY	1562090000	B.13	WQV 16/2	1053260000	A.257	WQV 6/2	1052360000	B.48
WHP WDL2.5/S BL	1067980000	B.139	WPD 202 4x35/4x25 BK	1561690000	B.18	WQV 16/3	1055160000	A.257	WQV 6/2	1052360000	B.48
WKB 1/10	1604330000	A.55	WPD 202 4x35/4x25 BL	1561700000	B.18	WQV 16/4	1055260000	A.257	WQV 6/2	1052360000	B.57
WKB 1/2	1604280000	A.55	WPD 202 4x35/4x25 BN	1561720000	B.18	WQV 16-2.5	1063900000	A.259	WQV 6/2	1052360000	B.57
WKB 1/3	1604300000	A.55	WPD 202 4x35/4x25 GN	1561620000	B.18	WQV 16N/2	1636560000	A.257	WQV 6/2	1052360000	B.57
WKB 1/4	1604320000	A.55	WPD 202 4x35/4x25 GY	1561730000	B.18	WQV 16N/3	1636570000	A.257	WQV 6/2	1052360000	B.58
WKS 1/2	1604270000	A.53	WPD 204 2X25/4X16+6X10 2XGY	1562150000	B.21	WQV 16N/4	1636580000	A.257	WQV 6/2	1052360000	B.59
WKS 1/2	1604270000	A.53	WPD 205 2X35/4X25+6X16 2XGY	1562180000	B.22	WQV 16N-2.5	1073100000	A.259	WQV 6/2	1052360000	B.59
WKS 1/3	1604290000	A.55	WPD 301 2X25/2X16 3XGY	1561130000	B.16	WQV 16N-4/6	1072500000	A.259	WQV 6/3	1054760000	A.256
WKS 1/3	1604290000	B.59	WPD 302 2X35/2X25 3XGY	1561740000	B.19	WQV 16N-PEN BL	1071360000	A.263	WQV 6/3	1054760000	A.55
WKS 1/3	1604290000	B.59	WPD 304 3X25/6X16+9X10 3XGY	1562160000	B.21	WQV 2.5/10	1054460000	A.256	WQV 6/3	1054760000	B.48
WKS 1/4	1604310000	A.55	WPD 305 3X35/6X25+9X16 3XGY	1562190000	B.23	WQV 2.5/15	1059660000	A.256	WQV 6/3	1054760000	B.48
WKS 1/4	1604310000	B.59	WPD 401 2X25/2X16 3XGY/1XBL	1562130000	B.17	WQV 2.5/2	1053660000	A.256	WQV 6/3	1054760000	B.57
WKS 1/4	1604310000	B.59	WPD 401 2X25/2X16 4XGY	1561800000	B.17	WQV 2.5/20	1577570000	A.256	WQV 6/3	1054760000	B.57
WKS 2/2	1936140000	A.52	WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1562140000	B.17	WQV 2.5/3	1053760000	A.256	WQV 6/3	1054760000	B.57
WKS 2/2	1936140000	A.52	WPD 501 2X25/2X16 5XGY	1561750000	B.17	WQV 2.5/32	1577600000	A.256	WQV 6/3	1054760000	B.58
WKS 2/3	1936150000	A.55	WPE 1.5/R3.5	1798460000	A.192	WQV 2.5/4	1053860000	A.256	WQV 6/3	1054760000	B.59
WKS 2/3	1936150000	B.57	WPE 1.5/ZZ	1016500000	A.192	WQV 2.5/5	1053960000	A.256	WQV 6/3	1054760000	B.59
WKS 2/3	1936150000	B.57	WPE 10	1010300000	A.197	WQV 2.5/6	1054060000	A.256	WQV 6/4	1054860000	A.256
WKS 2/3	1936150000	B.57	WPE 10/ZR	1042500000	A.197	WQV 2.5/7	1054160000	A.256	WQV 6/4	1054860000	A.55
WKS 2/3	1936150000	B.58	WPE 120/150	1019700000	A.201	WQV 2.5/8	1054260000	A.256	WQV 6/4	1054860000	B.48
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WKS 2/4	1936160000	B.57	WPE 16N	1019100000	A.198	WQV 35/10	1053160000	B.107	WQV 6/4	1054860000	B.57
WKS 2/4	1936160000	B.58	WPE 2.5</								





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ZAP/TW ZDL2.5-2N	1782340000	A.79	ZB 16 ZKSC	0316600000	B.139	ZDK 4-2 PE	8671050000	A.105	ZDUA 2.5-2	1720920000	A.57
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ZAP/TW ZDT2.5/2	1816110000	A.130	ZB 16K BL	0502880000	B.129	ZDKPE 2.5-2/N/L/PE	1895700000	A.84	ZDUB 2.5-2/2AN/15 OR	1712770000	A.56
ZAP/TW ZDT2.5/2	1816110000	A.130	ZB 16K BL	0502880000	B.129	ZDL2.5-2N	1782300000	A.78	ZDUB 2.5-2/4AN/15	1712780000	A.56
ZAP/TW ZDT2.5/2	1816110000	A.131	ZB 16K BL	0502880000	B.130	ZDL2.5-2N BL	1782310000	A.78	ZDUB 2.5-2/4AN/15 BL	1712790000	A.56
ZAP/TW ZDT2.5/2	1816110000	A.131	ZB 16K BL	0502880000	B.130	ZDL2.5-2N PE	1131740000	A.79	ZDUB 2.5-2/4AN/15 OR	1712800000	A.56
ZAP/TW ZDT2.5/2	1816110000	A.132	ZB 35/M6X16	0266500000	B.114	ZDL2.5-2N/PE/L/L	1131750000	A.79	ZE ZRV2.5	2318670000	A.135
ZAP/TW ZDU/ZPE 2.5N	1933790000	A.102	ZB 35/M6X16	0266500000	B.114	ZDL2.5-2N/PE/L/N	1131760000	A.79	ZE ZRV2.5	2318670000	A.135
ZAP/TW ZDU/ZPE 2.5N	1933790000	A.72	ZB 35/M6X16	0266500000	B.115	ZDL2.5-2V2N	1782320000	A.78	ZEI 16	1745350000	A.85
ZAP/TW ZDU/ZPE 2.5N/3AN	1933800000	A.102	ZB 35/M6X16	0266500000	B.118	ZDL2.5-2V2N BL	1782330000	A.78	ZEI 16 BL	1766240000	A.85
ZAP/TW ZDU/ZPE 2.5N/3AN	1933800000	A.72	ZB 35/M6X16	0266500000	B.118	ZDT 2.5/2	1815150000	A.130	ZEI 16/2/1AN	1772940000	A.71
ZAP/TW ZDU/ZPE 2.5N/4AN	1933810000	A.103	ZB 35/M6X16	0266500000	B.119	ZDT 2.5/2 DU-PE	1815160000	A.131	ZEI 16-2/1AN BL	1772950000	A.71
ZAP/TW ZDU/ZPE 2.5N/4AN	1933810000	A.73	ZB 35/M6X16	0266500000	B.119	ZDT 2.5/2 V	1815170000	A.132	ZEI 6	1791190000	A.59
ZAP/TW ZDU1.5/2AN	1776030000	A.58	ZB 35/M6X16	0266500000	B.120	ZDT 2.5/2 V	1084770000	A.130	ZEW 15	7920340000	A.56
ZAP/TW ZDU1.5/2AN	1776030000	A.91	ZB 35/M6X16	0266500000	B.120	ZDT 2.5/8AN/4	1259120000	A.131	ZEW 15	7920340000	A.56
ZAP/TW ZDU1.5/2AN BL	1776040000	A.58	ZB 35/M6X16	0266500000	B.121	ZDTR 2.5	1745400000	A.122	ZEW 15	7920340000	A.57
ZAP/TW ZDU1.5/3AN	1776060000	A.58	ZB 35/M6X16	0266500000	B.129	ZDTR 2.5 BL	1798330000	A.122	ZEW 15	7920340000	A.57
ZAP/TW ZDU1.5/3AN	1776060000	A.59	ZB 35/M6X16	0266500000	B.132	ZDU 1.5	1775480000	A.58	ZEW 15	7920340000	A.90
ZAP/TW ZDU1.5/3AN	1776060000	A.91	ZB 35/M6X16	0266500000	B.132	ZDU 1.5 BL	1775490000	A.58	ZEW 15	7920340000	A.90
ZAP/TW ZDU1.5/3AN BL	1776070000	A.58	ZB 35/M6X16	0266500000	B.133	ZDU 1.5/2X2AN	1826970000	A.59	ZEW 15	7920340000	A.91
ZAP/TW ZDU1.5/3AN BL	1776070000	A.59	ZB 35/M6X16	0266500000	B.133	ZDU 1.5/3AN	1775530000	A.58	ZEW 15	7920340000	C.21
ZAP/TW ZDU1.5/4AN	1776090000	A.59	ZB 35/M6X16	0266500000	B.133	ZDU 1.5/3AN BL	1775540000	A.58	ZEW 35	9540000000	A.10
ZAP/TW ZDU1.5/4AN	1776090000	A.92	ZB 35/M6X16	0266500000	B.134	ZDU 1.5/4AN	1775580000	A.59	ZEW 35	9540000000	A.10
ZAP/TW ZDU1.5/4AN BL	1776100000	A.59	ZB 35/M6X16	0266500000	B.134	ZDU 1.5/4AN BL	1775600000	A.59	ZEW 35	9540000000	A.100
ZAP/TW ZDU10	1748660000	A.64	ZB 35/M6X16	0266500000	B.138	ZDU 10	1746750000	A.64	ZEW 35	9540000000	A.100
ZAP/TW ZDU10	1748660000	A.96	ZB 35/M6X16	0266500000	B.138	ZDU 10 BL	1746760000	A.64	ZEW 35	9540000000	A.101
ZAP/TW ZDU10 BL	1764110000	A.64	ZB 35/M6X16	0266500000	B.139	ZDU 10/3AN	1767690000	A.64	ZEW 35	9540000000	A.101
ZAP/TW ZDU16	1745150000	A.65	ZB 35/M6X16	0266500000	B.139	ZDU 10/3AN BL	1767700000	A.64	ZEW 35	9540000000	A.102
ZAP/TW ZDU16	1745150000	A.97	ZB 35/M6X16	0266500000	B.139	ZDU 10/NT	1764240000	B.130	ZEW 35	9540000000	A.102
ZAP/TW ZDU16 BL	1764100000	A.65	ZB 35K BL M6X16	0502880000	B.128	ZDU 10S	1739540000	B.125	ZEW 35	9540000000	A.103
ZAP/TW ZDUA	1720960000	A.57	ZB 35K BL M6X16	0502880000	B.128	ZDU 10S BL	1739550000	B.125	ZEW 35	9540000000	A.104
ZAP/TW ZDUA	1720960000	A.90	ZB 35K BL M6X16	0502880000	B.129	ZDU 16	1745230000	A.65	ZEW 35	9540000000	A.104
ZAP/TW ZDUA BL	1720970000	A.57	ZB 35K BL M6X16	0502880000	B.130	ZDU 16 BL	1745240000	A.65	ZEW 35	9540000000	A.105
ZAP/TW ZDUA OR	1720980000	A.57	ZB 35K BL M6X16	0502880000	B.130	ZDU 16/3AN	1768320000	A.65	ZEW 35	9540000000	A.105
ZAP/TW ZDUA2.5-2N	1808170000	A.57	ZB 4	0316500000	B.132	ZDU 16/3AN BL	1768330000	A.65	ZEW 35	9540000000	A.11
ZAP/TW ZDUA2.5-2N	1808170000	A.90	ZB 4	0316500000	B.132	ZDU 16S	1739580000	B.125	ZEW 35	9540000000	A.120
ZAP/TW ZIA1.5/3L	1649540000	B.66	ZB 4	0316500000	B.133	ZDU 16S BL	1739590000	B.125	ZEW 35	9540000000	A.120
ZAP/TW ZIA1.5/4L	1649550000	B.67	ZB 4	0316500000	B.133	ZDU 2.5	1608510000	A.60	ZEW 35	9540000000	A.121
ZAP/TW ZPV1.5	1674650000	B.66	ZB 4	0316500000	B.133	ZDU 2.5 BL	1608520000	A.60	ZEW 35	9540000000	A.121
ZAP/TW ZT2.5/2AN	1816030000	A.124	ZB 4	0316500000	B.134	ZDU 2.5 S	1808010000	B.124	ZEW 35	9540000000	A.121
ZAP/TW ZT2.5/2AN	1816030000	A.127	ZB 4	0316500000	B.134	ZDU 2.5 S BL	1808020000	B.124	ZEW 35	9540000000	A.122
ZAP/TW ZT2.5/2AN OR	1816040000	A.124	ZB 4	0316500000	B.138	ZDU 2.5/2X2AN	1608600000	A.61	ZEW 35	9540000000	A.133
ZAP/TW ZT2.5/2AN OR	1816040000	A.127	ZB 4	0316500000	B.138	ZDU 2.5/2X2AN BL	1608610000	A.61	ZEW 35	9540000000	A.14
ZAP/TW ZT2.5/3AN	1816050000	A.124	ZB 4	0316500000	B.139	ZDU 2.5/2X2AN/D-	1650350000	A.147	ZEW 35	9540000000	A.14
ZAP/TW ZT2.5/3AN	1816050000	A.127	ZB 4	0316500000	B.139	ZDU 2.5/2X2AN/D+	1650340000	A.147	ZEW 35	9540000000	A.146
ZAP/TW ZT2.5/4AN/2	1816070000	A.125	ZB 4	0316500000	B.139	ZDU 2.5/2X2AN/LD-	1692600000	A.146	ZEW 35	9540000000	A.146
ZAP/TW ZT2.5/4AN/2	1816070000	A.128	ZB 4K BL	0475380000	B.128	ZDU 2.5/2X2AN/LD+	1692590000	A.146	ZEW 35	9540000000	A.147
ZAP/TW ZT2.5/4AN/2 OR	1816080000	A.125	ZB 4K BL	0475380000	B.128	ZDU 2.5/3AN	1608540000	A.60	ZEW 35	9540000000	A.147
ZAP/TW ZT2.5/4AN/2 OR	1816080000	A.128	ZB 4K BL	0475380000	B.129	ZDU 2.5/3AN BL	1608550000	A.60	ZEW 35	9540000000	A.148
ZAP/TW ZT2.5/4AN/4	1816090000	A.125	ZB 4K BL	0475380000	B.129	ZDU 2.5/4AN	1608570000	A.61	ZEW 35	9540000000	A.148
ZAP/TW ZT2.5/4AN/4	1816090000	A.128	ZB 4K BL	0475380000	B.130	ZDU 2.5/4AN BL	1608580000	A.61	ZEW 35	9540000000	A.149
ZAP/TW ZT4/2AN	1855220000	A.126	ZB 4K BL	0475380000	B.130	ZDU 2.5-2	1772060000	A.68	ZEW 35	9540000000	A.149
ZAP/TW ZT4/2AN	1855220000	A.129	ZBS1 F.D SET	1764550000	A.160	ZDU 2.5-2 BL	1772070000	A.68	ZEW 35	9540000000	A.149
ZAP/TW ZT4/2AN OR	1855230000	A.126	ZDK 1.5	1791100000	A.74	ZDU 2.5-2/3AN	1706010000	A.68	ZEW 35	9540000000	A.15
ZAP/TW ZT4/2AN OR	1855230000	A.129	ZDK 1.5 BL	1791100000	A.74	ZDU 2.5-2/3AN BL	1706040000	A.68	ZEW 35	9540000000	A.15
ZAP/TW ZT4/4AN/2	1848360000	A.126	ZDK 1.5DU-PE	1791120000	A.75	ZDU 2.5-2/4AN	1706060000	A.69	ZEW 35	9540000000	A.15
ZAP/TW ZTR2.5	1865520000	A.133	ZDK 1.5PE	1791150000	A.104	ZDU 2.5-2/4AN BL	1706070000	A.69	ZEW 35	9540000000	A.150
ZAP/TW4/4AN	7904210000	A.63	ZDK 1.5V	1791130000	A.74	ZDU 2.5-2/D-	1779000000	A.148	ZEW 35	9540000000	A.150
ZAP/TW4/4AN	7904210000	A.94	ZDK 1.5V BL	1791140000	A.74	ZDU 2.5-2/D+	1779110000	A.148	ZEW 35	9540000000	A.151
ZAP/TW4/4AN BL	7904220000										

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
ZEW 35	9540000000	A.22	ZEW 35	9540000000	A.92	ZGB 30	1611930000	A.240	ZP 2.5/1AN/QV/10	1815280000	A.125
ZEW 35	9540000000	A.30	ZEW 35	9540000000	A.92	ZHP S	1808290000	B.124	ZP 2.5/1AN/QV/10	1815280000	A.130
ZEW 35	9540000000	A.30	ZEW 35	9540000000	A.93	ZHP S	1808290000	B.124	ZP 2.5/1AN/QV/10	1815280000	A.130
ZEW 35	9540000000	A.31	ZEW 35	9540000000	A.93	ZHP S	1808290000	B.125	ZP 2.5/1AN/QV/10	1815280000	A.131
ZEW 35	9540000000	A.31	ZEW 35	9540000000	A.93	ZHP S	1808290000	B.126	ZP 2.5/1AN/QV/10	1815280000	A.131
ZEW 35	9540000000	A.31	ZEW 35	9540000000	A.94	ZHP S	1808290000	B.126	ZP 2.5/1AN/QV/10	1815280000	A.137
ZEW 35	9540000000	A.32	ZEW 35	9540000000	A.94	ZHP S	1808290000	B.127	ZP 2.5/1AN/QV/11	1815290000	A.137
ZEW 35	9540000000	A.32	ZEW 35	9540000000	A.95	ZHP S	1808290000	B.128	ZP 2.5/1AN/QV/12	1815300000	A.137
ZEW 35	9540000000	A.33	ZEW 35	9540000000	A.95	ZHP S SO	1808280000	B.124	ZP 2.5/1AN/QV/13	1815310000	A.137
ZEW 35	9540000000	A.33	ZEW 35	9540000000	A.96	ZHP S SO	1808280000	B.124	ZP 2.5/1AN/QV/14	1815320000	A.137
ZEW 35	9540000000	A.34	ZEW 35	9540000000	A.96	ZHP S SO	1808280000	B.125	ZP 2.5/1AN/QV/15	1815330000	A.137
ZEW 35	9540000000	A.34	ZEW 35	9540000000	A.97	ZHP S SO	1808280000	B.126	ZP 2.5/1AN/QV/16	1815340000	A.137
ZEW 35	9540000000	A.35	ZEW 35	9540000000	A.97	ZHP S SO	1808280000	B.126	ZP 2.5/1AN/QV/17	1815350000	A.137
ZEW 35	9540000000	A.35	ZEW 35	9540000000	A.97	ZHP S SO	1808280000	B.127	ZP 2.5/1AN/QV/2	1815200000	A.124
ZEW 35	9540000000	A.35	ZEW 35	9540000000	A.98	ZHP S SO	1808280000	B.128	ZP 2.5/1AN/QV/2	1815200000	A.124
ZEW 35	9540000000	A.38	ZEW 35	9540000000	A.98	ZHP ZDU4/NT SO	1803890000	B.130	ZP 2.5/1AN/QV/2	1815200000	A.125
ZEW 35	9540000000	A.38	ZEW 35	9540000000	A.99	ZHP ZDU4/NT SO	1803890000	B.130	ZP 2.5/1AN/QV/2	1815200000	A.130
ZEW 35	9540000000	A.39	ZEW 35	9540000000	A.99	ZIA 1.5/3L-1S	1651980000	B.66	ZP 2.5/1AN/QV/2	1815200000	A.130
ZEW 35	9540000000	A.39	ZEW 35	9540000000	A.99	ZIA 1.5/3L-1S/LD-RT	1651990000	B.66	ZP 2.5/1AN/QV/2	1815200000	A.131
ZEW 35	9540000000	A.40	ZEW 35	9540000000	B.102	ZIA 1.5/3L-PE	1652000000	B.66	ZP 2.5/1AN/QV/2	1815200000	A.131
ZEW 35	9540000000	A.41	ZEW 35	9540000000	B.112	ZIA 1.5/4L-1S	1652010000	B.67	ZP 2.5/1AN/QV/2	1815200000	A.137
ZEW 35	9540000000	A.42	ZEW 35	9540000000	B.113	ZIA 1.5/4L-1S/LD	1652020000	B.67	ZP 2.5/1AN/QV/3	1815210000	A.124
ZEW 35	9540000000	A.44	ZEW 35	9540000000	B.114	ZIA 1.5/4L-PE	1652030000	B.67	ZP 2.5/1AN/QV/3	1815210000	A.124
ZEW 35	9540000000	A.46	ZEW 35	9540000000	B.114	ZMAK 2.5	1768000000	A.81	ZP 2.5/1AN/QV/3	1815210000	A.125
ZEW 35	9540000000	A.46	ZEW 35	9540000000	B.115	ZMAK 2.5 690V	1027550000	A.81	ZP 2.5/1AN/QV/3	1815210000	A.130
ZEW 35	9540000000	A.47	ZEW 35	9540000000	B.124	ZNT 10S	1739560000	B.128	ZP 2.5/1AN/QV/3	1815210000	A.130
ZEW 35	9540000000	A.47	ZEW 35	9540000000	B.124	ZNT 16S	1739600000	B.129	ZP 2.5/1AN/QV/3	1815210000	A.131
ZEW 35	9540000000	A.47	ZEW 35	9540000000	B.125	ZNT 35	1739640000	B.129	ZP 2.5/1AN/QV/3	1815210000	A.131
ZEW 35	9540000000	A.48	ZEW 35	9540000000	B.125	ZNT 6 S	1808320000	B.128	ZP 2.5/1AN/QV/3	1815210000	A.137
ZEW 35	9540000000	A.58	ZEW 35	9540000000	B.125	ZP 2.5/1AN	1875150000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.124
ZEW 35	9540000000	A.58	ZEW 35	9540000000	B.126	ZP 2.5/1AN GN	1875180000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.124
ZEW 35	9540000000	A.59	ZEW 35	9540000000	B.126	ZP 2.5/1AN ZA	1875190000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.125
ZEW 35	9540000000	A.59	ZEW 35	9540000000	B.127	ZP 2.5/1AN ZA BL	1009070000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.130
ZEW 35	9540000000	A.59	ZEW 35	9540000000	B.127	ZP 2.5/1AN ZA GN	1875200000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.130
ZEW 35	9540000000	A.6	ZEW 35	9540000000	B.127	ZP 2.5/1AN ZA O.RA	1875210000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.131
ZEW 35	9540000000	A.6	ZEW 35	9540000000	B.128	ZP 2.5/1AN ZA O.RA BL	1972980000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.131
ZEW 35	9540000000	A.60	ZEW 35	9540000000	B.128	ZP 2.5/1AN ZA O.RA GN	1875220000	A.138	ZP 2.5/1AN/QV/4	1815220000	A.137
ZEW 35	9540000000	A.60	ZEW 35	9540000000	B.129	ZP 2.5/1AN/1	1815430000	A.125	ZP 2.5/1AN/QV/5	1815230000	A.124
ZEW 35	9540000000	A.61	ZEW 35	9540000000	B.129	ZP 2.5/1AN/1	1815430000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.124
ZEW 35	9540000000	A.61	ZEW 35	9540000000	B.130	ZP 2.5/1AN/1 GN	1820580000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.125
ZEW 35	9540000000	A.62	ZEW 35	9540000000	B.130	ZP 2.5/1AN/10	1815560000	A.125	ZP 2.5/1AN/QV/5	1815230000	A.130
ZEW 35	9540000000	A.62	ZEW 35	9540000000	B.48	ZP 2.5/1AN/10	1815560000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.130
ZEW 35	9540000000	A.63	ZEW 35	9540000000	B.48	ZP 2.5/1AN/10 GN/BE	1867170000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.131
ZEW 35	9540000000	A.63	ZEW 35	9540000000	B.50	ZP 2.5/1AN/11	1815570000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.131
ZEW 35	9540000000	A.63	ZEW 35	9540000000	B.64	ZP 2.5/1AN/11 GN/BE	1867180000	A.136	ZP 2.5/1AN/QV/5	1815230000	A.137
ZEW 35	9540000000	A.64	ZEW 35	9540000000	B.64	ZP 2.5/1AN/12	1815580000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.124
ZEW 35	9540000000	A.64	ZEW 35	9540000000	B.65	ZP 2.5/1AN/12 GN/BE	1867190000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.124
ZEW 35	9540000000	A.65	ZEW 35	9540000000	B.65	ZP 2.5/1AN/13	1815590000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.125
ZEW 35	9540000000	A.65	ZEW 35	9540000000	B.65	ZP 2.5/1AN/13 GN/BE	1867200000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.130
ZEW 35	9540000000	A.65	ZEW 35	9540000000	C.21	ZP 2.5/1AN/14	1815600000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.130
ZEW 35	9540000000	A.66	ZEW 35 GR	1238040000	C.21	ZP 2.5/1AN/14 GN/BE	1867210000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.131
ZEW 35	9540000000	A.68	ZEW 35/2	8630740000	A.106	ZP 2.5/1AN/15	1815610000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.131
ZEW 35	9540000000	A.68	ZEW 35/2	8630740000	A.12	ZP 2.5/1AN/15 GN/BE	1867220000	A.136	ZP 2.5/1AN/QV/6	1815240000	A.137
ZEW 35	9540000000	A.69	ZEW 35/2	8630740000	A.12	ZP 2.5/1AN/16	1815620000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.124
ZEW 35	9540000000	A.69	ZEW 35/2	8630740000	A.13	ZP 2.5/1AN/17	1815180000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.124
ZEW 35	9540000000	A.69	ZEW 35/2	8630740000	A.153	ZP 2.5/1AN/17 GN/BE	1867240000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.125
ZEW 35	9540000000	A.7	ZEW 35/2	8630740000	A.17	ZP 2.5/1AN/2	1815440000	A.125	ZP 2.5/1AN/QV/7	1815250000	A.130
ZEW 35	9540000000	A.7	ZEW 35/2	8630740000	A.23	ZP 2.5/1AN/2	1815440000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.130
ZEW 35	9540000000	A.70	ZEW 35/2	8630740000	A.23	ZP 2.5/1AN/2 GN/BE	1867090000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.131
ZEW 35	9540000000	A.70	ZEW 35/2	8630740000	A.23	ZP 2.5/1AN/3	1815450000	A.125	ZP 2.5/1AN/QV/7	1815250000	A.131
ZEW 35	9540000000	A.71	ZEW 35/2	8630740000	A.24	ZP 2.5/1AN/3	1815450000	A.136	ZP 2.5/1AN/QV/7	1815250000	A.137
ZEW 35	9540000000	A.71	ZEW 35/2	8630740000	A.36	ZP 2.5/1AN/3 GN/BE	1867100000	A.136	ZP 2.5/1AN/QV/8	1815260000	A.124
ZEW 35	9540000000	A.72	ZEW 35/2	8630740000	A.80	ZP 2.5/1AN/4	1815500000	A.125	ZP 2.5/1AN/QV/8	1815260000	A.124
ZEW 35	9540000000	A.72	ZEW 35/2	8630740000	B.116	ZP 2.5/1AN/4 GN/BE	1867110000	A.136	ZP 2.5/1AN/QV/8	1815260000	A.130
ZEW 35	9540000000	A.73	ZEW 35/2	8630740000	B.116	ZP 2.5/1AN/5	1815510000	A.125	ZP 2.5/1AN/QV/8	1815260000	A.130
ZEW 35	9540000000	A.74	ZEW 35/2	8630740000	B.117	ZP 2.5/1AN/5	1815510000	A.136	ZP 2.5/1AN/QV/8	1815260000	A.131
ZEW 35	9540000000	A.74	ZEW 35/2	8630740000	B.117	ZP 2.5/1AN/5 GN/BE	1867120000	A.136	ZP 2.5/1AN/QV/8	1815260000	A.131
ZEW 35	9540000000	A.75	ZEW 35/2	8630740000	B.117	ZP 2.5/1AN/6	1815520000	A.125	ZP 2.5/1AN/QV/8	1815260000	A.137
ZEW 35	9540000000	A.76	ZEW 35/2	8630740000	B.118	ZP 2.5/1AN/6	1815520000	A.136	ZP 2.5/1AN/QV/9	1815270000	A.124
ZEW 35	9540000000	A.76	ZEW 35/2	8630740000	B.118	ZP 2.5/1AN/6	1815520000	A.142	ZP 2.5/1AN/QV/9	1815270000	A.124
ZEW 35	9540000000	A.77	ZEW 35/2	8630740000	B.119	ZP 2.5/1AN/6 GN/BE	1867130000	A.136	ZP 2.5/1AN/QV/9	1815270000	A.125
ZEW 35	9540000000	A.77	ZEW 35/2	8630740000	B.119	ZP 2.5/1AN/7	1815530000	A.125	ZP 2.5/1AN/QV/9	1815270000	A.130
ZEW 35	9540000000	A.77	ZEW 35/2	8630740000	B.120	ZP 2.5/1AN/7	1815530000	A.136	ZP 2.5/1AN/QV/9	1815270000	A.130
ZEW 35	9540000000	A.78	ZEW 35/2	8630740000	B.120	ZP 2.5/1AN/7 GN/BE	1867140000	A.136	ZP 2.5/1AN/QV/9	1815270000	A.131
ZEW 35	9540000000	A.78	ZEW 35/2	8630740000	B.121	ZP 2.5/1AN/8	1815540000	A.125	ZP 2.5/1AN/QV/9	1815270000	A.131
ZEW 35	9540000000	A.79	ZEW 35/2	8630740000	C.21	ZP 2.5/1AN/8	1815540000	A.136	ZP 2.5/1AN/QV/9	1815270000	A.137
ZEW 35	9540000000	A.79	ZEW 35/2 GR	1227850000	C.21	ZP 2.5/1AN/8 GN/BE	1867150000	A.136	ZP 2.5/2AN/QV	1007810000	A.139
ZEW 35	9540000000	A.79	ZEW 35/2 SW	1162610000	B.122	ZP 2.5/1AN/9	1815550000	A.125	ZP 2.5/2AN/QV GN	1007830000	A.139
ZEW 35	9540000000	A.8	ZEW 35/2 SW	1162610000	B.122	ZP 2.5/1AN/9	1815550000	A.136	ZP 2.5/2AN/QV ZA GN	1007860000	A.139
ZEW 35	9540000000	A.8	ZEW 35/2 SW	1162610000	B.123	ZP 2.5/1AN/9 GN/BE	1867160000	A.136	ZP 2.5/2AN/QV ZA O.RA	1007870000	A.139
ZEW 35	9540000000	A.81	ZEW 35/2 SW	1162610000	B.123	ZP 2.5/1AN/QV	1007900000	A.138	ZP 2.5/2AN/QV ZA O.RA BL	1007880000	A.139
ZEW 35	9540000000	A.81	ZEW 35/2 SW	1162610000	B.74	ZP 2.5/1AN/QV GN	1007920000	A.138	ZP 2.5/2		

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
ZP 4/1AN/1	1848340000	A.137	ZQV 1.5/2	1776120000	A.59	ZQV 2.5/10	1608940000	A.151	ZQV 2.5/2	1608860000	A.48
ZP 4/1AN/1 GN	1854980000	A.137	ZQV 1.5/2	1776120000	A.74	ZQV 2.5/10	1608940000	A.151	ZQV 2.5/2	1608860000	A.50
ZP 4/1AN/10	1855070000	A.126	ZQV 1.5/2	1776120000	A.74	ZQV 2.5/10	1608940000	A.151	ZQV 2.5/2	1608860000	A.60
ZP 4/1AN/10	1855070000	A.126	ZQV 1.5/2	1776120000	A.75	ZQV 2.5/10	1608940000	A.153	ZQV 2.5/2	1608860000	A.60
ZP 4/1AN/10	1855070000	A.137	ZQV 1.5/3	1776130000	A.154	ZQV 2.5/10	1608940000	A.153	ZQV 2.5/2	1608860000	A.61
ZP 4/1AN/11	1855080000	A.137	ZQV 1.5/4	1776140000	A.154	ZQV 2.5/10	1608940000	A.154	ZQV 2.5/2	1608860000	A.65
ZP 4/1AN/12	1855090000	A.137	ZQV 1.5/5	1776150000	A.154	ZQV 2.5/10	1608940000	A.30	ZQV 2.5/2	1608860000	A.68
ZP 4/1AN/13	1855100000	A.137	ZQV 1.5N/10	1985580000	A.11	ZQV 2.5/10	1608940000	A.30	ZQV 2.5/2	1608860000	A.68
ZP 4/1AN/14	1855110000	A.137	ZQV 1.5N/10	1985580000	A.184	ZQV 2.5/10	1608940000	A.31	ZQV 2.5/2	1608860000	A.71
ZP 4/1AN/2	1854990000	A.126	ZQV 1.5N/10	1985580000	A.26	ZQV 2.5/10	1608940000	A.34	ZQV 2.5/2	1608860000	A.72
ZP 4/1AN/2	1854990000	A.126	ZQV 1.5N/10	1985580000	A.6	ZQV 2.5/10	1608940000	A.34	ZQV 2.5/2	1608860000	A.72
ZP 4/1AN/2	1854990000	A.137	ZQV 1.5N/10	1985580000	A.6	ZQV 2.5/10	1608940000	A.35	ZQV 2.5/2	1608860000	A.73
ZP 4/1AN/3	1855000000	A.126	ZQV 1.5N/10 BL	1985680000	B.28	ZQV 2.5/10	1608940000	A.35	ZQV 2.5/2	1608860000	A.76
ZP 4/1AN/3	1855000000	A.126	ZQV 1.5N/10 BL	1985680000	B.28	ZQV 2.5/10	1608940000	A.35	ZQV 2.5/2	1608860000	A.76
ZP 4/1AN/3	1855000000	A.137	ZQV 1.5N/10 BL	1985680000	B.29	ZQV 2.5/10	1608940000	A.36	ZQV 2.5/2	1608860000	A.77
ZP 4/1AN/4	1855010000	A.126	ZQV 1.5N/10 BL	1985680000	B.30	ZQV 2.5/10	1608940000	A.46	ZQV 2.5/2	1608860000	A.77
ZP 4/1AN/4	1855010000	A.126	ZQV 1.5N/10 BL	1985680000	B.30	ZQV 2.5/10	1608940000	A.46	ZQV 2.5/2	1608860000	A.77
ZP 4/1AN/4	1855010000	A.137	ZQV 1.5N/10 BL	1985680000	B.31	ZQV 2.5/10	1608940000	A.47	ZQV 2.5/2	1608860000	A.78
ZP 4/1AN/5	1855020000	A.126	ZQV 1.5N/10 BL	1985680000	B.64	ZQV 2.5/10	1608940000	A.47	ZQV 2.5/2	1608860000	A.78
ZP 4/1AN/5	1855020000	A.126	ZQV 1.5N/10 BL	1985680000	B.64	ZQV 2.5/10	1608940000	A.47	ZQV 2.5/2	1608860000	A.79
ZP 4/1AN/5	1855020000	A.137	ZQV 1.5N/10 BL	1985680000	B.65	ZQV 2.5/10	1608940000	A.48	ZQV 2.5/2	1608860000	A.79
ZP 4/1AN/6	1855030000	A.126	ZQV 1.5N/10 BL	1985680000	B.65	ZQV 2.5/10	1608940000	A.50	ZQV 2.5/2	1608860000	A.79
ZP 4/1AN/6	1855030000	A.126	ZQV 1.5N/10 BL	1985680000	B.65	ZQV 2.5/10	1608940000	A.60	ZQV 2.5/2	1608860000	A.80
ZP 4/1AN/6	1855030000	A.137	ZQV 1.5N/10 RD	1985800000	B.28	ZQV 2.5/10	1608940000	A.60	ZQV 2.5/2	1608860000	A.82
ZP 4/1AN/7	1855040000	A.126	ZQV 1.5N/10 RD	1985800000	B.29	ZQV 2.5/10	1608940000	A.61	ZQV 2.5/2	1608860000	A.82
ZP 4/1AN/7	1855040000	A.126	ZQV 1.5N/10 RD	1985800000	B.30	ZQV 2.5/10	1608940000	A.68	ZQV 2.5/2	1608860000	A.83
ZP 4/1AN/7	1855040000	A.137	ZQV 1.5N/10 RD	1985800000	B.30	ZQV 2.5/10	1608940000	A.68	ZQV 2.5/2	1608860000	A.84
ZP 4/1AN/8	1855050000	A.126	ZQV 1.5N/10 RD	1985800000	B.31	ZQV 2.5/10	1608940000	A.72	ZQV 2.5/2	1608860000	A.84
ZP 4/1AN/8	1855050000	A.126	ZQV 1.5N/10 RD	1985800000	B.64	ZQV 2.5/10	1608940000	A.72	ZQV 2.5/2	1608860000	A.88
ZP 4/1AN/8	1855050000	A.137	ZQV 1.5N/10 RD	1985800000	B.65	ZQV 2.5/10	1608940000	A.73	ZQV 2.5/2	1608860000	A.88
ZP 4/1AN/9	1855060000	A.126	ZQV 1.5N/10 RD	1985800000	B.65	ZQV 2.5/10	1608940000	A.76	ZQV 2.5/2	1608860000	A.89
ZP 4/1AN/9	1855060000	A.126	ZQV 1.5N/10 RD	1985800000	B.65	ZQV 2.5/10	1608940000	A.76	ZQV 2.5/2	1608860000	B.114
ZP 4/1AN/9	1855060000	A.137	ZQV 1.5N/2	1985410000	A.11	ZQV 2.5/10	1608940000	A.77	ZQV 2.5/2	1608860000	B.116
ZPE 1.5	1775510000	A.91	ZQV 1.5N/2	1985410000	A.184	ZQV 2.5/10	1608940000	A.77	ZQV 2.5/2	1608860000	B.116
ZPE 1.5/3AN	1775560000	A.91	ZQV 1.5N/2	1985410000	A.26	ZQV 2.5/10	1608940000	A.77	ZQV 2.5/2	1608860000	B.117
ZPE 1.5/4AN	1775620000	A.92	ZQV 1.5N/2	1985410000	A.6	ZQV 2.5/10	1608940000	A.78	ZQV 2.5/2	1608860000	B.117
ZPE 10	1746770000	A.96	ZQV 1.5N/2	1985410000	A.6	ZQV 2.5/10	1608940000	A.78	ZQV 2.5/2	1608860000	B.117
ZPE 10/3AN	1767670000	A.96	ZQV 1.5N/2 BL	1985530000	B.28	ZQV 2.5/10	1608940000	A.79	ZQV 2.5/2	1608860000	B.118
ZPE 10S	1739570000	B.127	ZQV 1.5N/2 BL	1985530000	B.28	ZQV 2.5/10	1608940000	A.79	ZQV 2.5/2	1608860000	B.118
ZPE 16	1745250000	A.97	ZQV 1.5N/2 BL	1985530000	B.29	ZQV 2.5/10	1608940000	A.79	ZQV 2.5/2	1608860000	B.119
ZPE 16/3AN	1768310000	A.97	ZQV 1.5N/2 BL	1985530000	B.30	ZQV 2.5/10	1608940000	A.80	ZQV 2.5/2	1608860000	B.119
ZPE 16.2/1AN	1772960000	A.101	ZQV 1.5N/2 BL	1985530000	B.30	ZQV 2.5/10	1608940000	A.82	ZQV 2.5/2	1608860000	B.120
ZPE 16S	1739610000	B.127	ZQV 1.5N/2 BL	1985530000	B.31	ZQV 2.5/10	1608940000	A.82	ZQV 2.5/2	1608860000	B.120
ZPE 2.5	1608640000	A.92	ZQV 1.5N/2 BL	1985530000	B.64	ZQV 2.5/10	1608940000	A.83	ZQV 2.5/2	1608860000	B.121
ZPE 2.5 S	1808330000	B.126	ZQV 1.5N/2 BL	1985530000	B.64	ZQV 2.5/10	1608940000	A.84	ZQV 2.5/2	1608860000	B.124
ZPE 2.5/3AN	1608650000	A.93	ZQV 1.5N/2 BL	1985530000	B.65	ZQV 2.5/10	1608940000	A.84	ZQV 2.5/2	1608860000	B.66
ZPE 2.5/4AN	1608660000	A.93	ZQV 1.5N/2 BL	1985530000	B.65	ZQV 2.5/10	1608940000	A.88	ZQV 2.5/2	1608860000	B.67
ZPE 2.5/2	1772090000	A.98	ZQV 1.5N/2 BL	1985530000	B.65	ZQV 2.5/10	1608940000	A.88	ZQV 2.5/20	1908960000	A.154
ZPE 2.5/2/3AN	1706090000	A.98	ZQV 1.5N/2 RD	1985650000	B.28	ZQV 2.5/10	1608940000	A.89	ZQV 2.5/20	1908960000	A.50
ZPE 2.5/2/4AN	1706100000	A.99	ZQV 1.5N/2 RD	1985650000	B.29	ZQV 2.5/10	1608940000	B.114	ZQV 2.5/20	1908960000	B.114
ZPE 2.5N	1933760000	A.102	ZQV 1.5N/2 RD	1985650000	B.30	ZQV 2.5/10	1608940000	B.116	ZQV 2.5/20	1908960000	B.124
ZPE 2.5N/3AN	1933770000	A.102	ZQV 1.5N/2 RD	1985650000	B.30	ZQV 2.5/10	1608940000	B.116	ZQV 2.5/3	1608870000	A.154
ZPE 2.5N/4AN	1933780000	A.103	ZQV 1.5N/2 RD	1985650000	B.31	ZQV 2.5/10	1608940000	B.117	ZQV 2.5/3	1608870000	A.30
ZPE 3S	1739650000	A.97	ZQV 1.5N/2 RD	1985650000	B.64	ZQV 2.5/10	1608940000	B.117	ZQV 2.5/3	1608870000	A.30
ZPE 4	1632080000	A.93	ZQV 1.5N/2 RD	1985650000	B.65	ZQV 2.5/10	1608940000	B.117	ZQV 2.5/3	1608870000	A.31
ZPE 4 S	1808340000	B.126	ZQV 1.5N/2 RD	1985650000	B.65	ZQV 2.5/10	1608940000	B.118	ZQV 2.5/3	1608870000	A.34
ZPE 4/3AN	7904170000	A.94	ZQV 1.5N/2 RD	1985650000	B.65	ZQV 2.5/10	1608940000	B.118	ZQV 2.5/3	1608870000	A.34
ZPE 4/4AN	7904280000	A.94	ZQV 1.5N/20	1985480000	A.26	ZQV 2.5/10	1608940000	B.119	ZQV 2.5/3	1608870000	A.35
ZPE 4.2/2AN	1770380000	A.99	ZQV 1.5N/3	1985480000	A.26	ZQV 2.5/10	1608940000	B.119	ZQV 2.5/3	1608870000	A.35
ZPE 4.2/3AN	1770390000	A.99	ZQV 1.5N/4	1985490000	A.26	ZQV 2.5/10	1608940000	B.120	ZQV 2.5/3	1608870000	A.35
ZPE 4.2/4AN	1807090000	A.100	ZQV 1.5N/5	1985500000	A.26	ZQV 2.5/10	1608940000	B.120	ZQV 2.5/3	1608870000	A.36
ZPE 6	1608670000	A.95	ZQV 1.5N/50	1985620000	A.26	ZQV 2.5/10	1608940000	B.121	ZQV 2.5/3	1608870000	A.46
ZPE 6 S	1808350000	B.127	ZQV 1.5N/6	1985510000	A.26	ZQV 2.5/10	1608940000	B.124	ZQV 2.5/3	1608870000	A.46
ZPE 6/3AN	7907400000	A.95	ZQV 1.5N/7	1985520000	A.26	ZQV 2.5/10	1608940000	B.66	ZQV 2.5/3	1608870000	A.47
ZPE 6.2/2AN	1771370000	A.100	ZQV 1.5N/8	1985540000	A.26	ZQV 2.5/10	1608940000	B.67	ZQV 2.5/3	1608870000	A.47
ZPE 6.2/3AN	1771380000	A.101	ZQV 1.5N/9	1985560000	A.26	ZQV 2.5/2	1608860000	A.120	ZQV 2.5/3	1608870000	A.47
ZPEA 2.5/2	1720950000	A.90	ZQV 1.5N/R3.5/10 GE	1754230000	A.164	ZQV 2.5/2	1608860000	A.120	ZQV 2.5/3	1608870000	A.48
ZPEA 2.5/2N	1808210000	A.90	ZQV 1.5N/R3.5/2 GE	1754210000	A.164	ZQV 2.5/2	1608860000	A.121	ZQV 2.5/3	1608870000	A.50
ZPEB 2.5/2	1712810000	A.91	ZQV 10/2	1739680000	A.155	ZQV 2.5/2	1608860000	A.121	ZQV 2.5/3	1608870000	B.114
ZPS 2.5/1AN/QV/1	1861040000	A.139	ZQV 10/2	1739680000	A.64	ZQV 2.5/2	1608860000	A.135	ZQV 2.5/3	1608870000	B.116
ZPS 2.5/1AN/QV/1 GN	1861050000	A.139	ZQV 10/2	1739680000	A.64	ZQV 2.5/2	1608860000	A.135	ZQV 2.5/3	1608870000	B.116
ZPS 2.5/1AN/QV/6	1865940000	A.142	ZQV 10/2	1739680000	B.125	ZQV 2.5/2	1608860000	A.148	ZQV 2.5/3	1608870000	B.117
ZPV 1.5	1676630000	B.66	ZQV 10/2	1739680000	B.130	ZQV 2.5/2	1608860000	A.148	ZQV 2.5/3	1608870000	B.117
ZQB 2.5/2	1677120000	A.154	ZQV 10/2	1739680000	B.60	ZQV 2.5/2	1608860000	A.149	ZQV 2.5/3	1608870000	B.117
ZQB 2.5/2	1677120000	A.56	ZQV 10/2	1739680000	B.60	ZQV 2.5/2	1608860000	A.149	ZQV 2.5/3	1608870000	B.118
ZQB 2.5/2	1677120000	A.56	ZQV 16/2	1739690000	A.155	ZQV 2.5/2	1608860000	A.149	ZQV 2.5/3	1608870000	B.118
ZQB 2.5/2	1677120000	A.69	ZQV 16/2	1739690000	A.33	ZQV 2.5/2	1608860000	A.150	ZQV 2.5/3	1608870000	B.119
ZQS 2.5/2	1633200000	A.110	ZQV 16/2	1739690000	A.41	ZQV 2.5/2	1608860000	A.150	ZQV 2.5/3	1608870000	B.119
ZQS 2.5/2	1633200000	A.111	ZQV 16/2	1739690000	A.50	ZQV 2.5/2	1608860000	A.151	ZQV 2.5/3	1608870000	B.120
ZQS 2.5/2	1633200000	A.155	ZQV 16/2	1739690000	A.65	ZQV 2.5/2	1608860000	A.151	ZQV 2.5/3	1608870000	B.120
ZQS 2.5/3	163321										

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ZQV 2.5/4	1608880000	A.48	ZQV 2.5N/10 GE	1693880000	B.82	ZQV 2.5N/3 SW	1718090000	A.254	ZQV 6/2 GE	1627850000	A.108
ZQV 2.5/4	1608880000	A.50	ZQV 2.5N/10 GE	1693880000	B.83	ZQV 2.5N/4	1527590000	A.26	ZQV 6/2 GE	1627850000	A.109
ZQV 2.5/4	1608880000	B.114	ZQV 2.5N/10 GE	1693880000	B.83	ZQV 2.5N/4 BL	1718010000	A.254	ZQV 6/2 GE	1627850000	A.109
ZQV 2.5/4	1608880000	B.116	ZQV 2.5N/10 RD	2108910000	B.32	ZQV 2.5N/4 GE	1693820000	A.154	ZQV 6/2 GE	1627850000	A.118
ZQV 2.5/4	1608880000	B.116	ZQV 2.5N/10 RD	2108910000	B.33	ZQV 2.5N/4 GE	1693820000	A.254	ZQV 6/2 GE	1627850000	A.121
ZQV 2.5/4	1608880000	B.117	ZQV 2.5N/10 RD	2108910000	B.34	ZQV 2.5N/4 RT	1717920000	A.254	ZQV 6/2 GE	1627850000	A.155
ZQV 2.5/4	1608880000	B.117	ZQV 2.5N/10 RD	2108910000	B.34	ZQV 2.5N/4 SW	1718100000	A.254	ZQV 6/24 GE	1908990000	A.155
ZQV 2.5/4	1608880000	B.117	ZQV 2.5N/10 RD	2108910000	B.35	ZQV 2.5N/5	1527620000	A.26	ZQV 6/3 GE	1627860000	A.155
ZQV 2.5/4	1608880000	B.118	ZQV 2.5N/10 RT	1717980000	A.254	ZQV 2.5N/5 BL	1718020000	A.254	ZQV 6/32 GE	1733640000	B.122
ZQV 2.5/4	1608880000	B.118	ZQV 2.5N/10 SW	1718160000	A.254	ZQV 2.5N/5 GE	1693830000	A.154	ZQV 6/32 GE	1733640000	B.122
ZQV 2.5/4	1608880000	B.119	ZQV 2.5N/2	1527540000	A.11	ZQV 2.5N/5 GE	1693830000	A.254	ZQV 6/32 GE	1733640000	B.123
ZQV 2.5/4	1608880000	B.119	ZQV 2.5N/2	1527540000	A.12	ZQV 2.5N/5 RT	1717930000	A.254	ZQV 6/32 GE	1733640000	B.123
ZQV 2.5/4	1608880000	B.120	ZQV 2.5N/2	1527540000	A.12	ZQV 2.5N/5 SW	1718110000	A.254	ZQV 6/4 GE	1627870000	A.155
ZQV 2.5/4	1608880000	B.120	ZQV 2.5N/2	1527540000	A.13	ZQV 2.5N/50	1527730000	A.26	ZQV 6N/2	1985740000	A.26
ZQV 2.5/4	1608880000	B.121	ZQV 2.5N/2	1527540000	A.165	ZQV 2.5N/6	1527630000	A.26	ZQV 6N/2	1906210000	A.50
ZQV 2.5/4	1608880000	B.124	ZQV 2.5N/2	1527540000	A.165	ZQV 2.5N/6 BL	1718030000	A.254	ZQV 6N/20	1906240000	A.50
ZQV 2.5/4	1608880000	B.66	ZQV 2.5N/2	1527540000	A.166	ZQV 2.5N/6 GE	1693840000	A.154	ZQV 6N/3	1985760000	A.26
ZQV 2.5/4	1608880000	B.67	ZQV 2.5N/2	1527540000	A.167	ZQV 2.5N/6 GE	1693840000	A.254	ZQV 6N/3	1906220000	A.50
ZQV 2.5/5	1608890000	A.154	ZQV 2.5N/2	1527540000	A.167	ZQV 2.5N/6 RT	1717940000	A.254	ZQV 6N/3	1906220000	B.114
ZQV 2.5/5	1608890000	A.50	ZQV 2.5N/2	1527540000	A.18	ZQV 2.5N/6 SW	1718120000	A.254	ZQV 6N/4	1985780000	A.26
ZQV 2.5/50	1697540000	B.66	ZQV 2.5N/2	1527540000	A.18	ZQV 2.5N/7	1527640000	A.26	ZQV 6N/4	1906230000	A.50
ZQV 2.5/50	1697540000	B.67	ZQV 2.5N/2	1527540000	A.185	ZQV 2.5N/7 BL	1718040000	A.254	ZQV 6N/4	1906230000	B.114
ZQV 2.5/6	1608900000	A.154	ZQV 2.5N/2	1527540000	A.186	ZQV 2.5N/7 GE	1693850000	A.154	ZR WP04 DB	1071100000	A.242
ZQV 2.5/6	1608900000	A.50	ZQV 2.5N/2	1527540000	A.186	ZQV 2.5N/7 GE	1693850000	A.254	ZRH 1.5H/1	1678810000	A.159
ZQV 2.5/7	1608910000	A.154	ZQV 2.5N/2	1527540000	A.187	ZQV 2.5N/7 RT	1717950000	A.254	ZRH 1.5H/2	1678800000	A.159
ZQV 2.5/7	1608910000	A.50	ZQV 2.5N/2	1527540000	A.19	ZQV 2.5N/7 SW	1718130000	A.254	ZRH 1.5N/1	1632140000	A.159
ZQV 2.5/8	1608920000	A.154	ZQV 2.5N/2	1527540000	A.19	ZQV 2.5N/8	1527670000	A.26	ZRH 1.5N/2	1632130000	A.159
ZQV 2.5/8	1608920000	A.50	ZQV 2.5N/2	1527540000	A.20	ZQV 2.5N/8 BL	1718050000	A.254	ZRH 1.5S/1	1781950000	A.159
ZQV 2.5/9	1608930000	A.154	ZQV 2.5N/2	1527540000	A.20	ZQV 2.5N/8 GE	1693860000	A.154	ZRH 2.5/1 WS	1614300000	A.159
ZQV 2.5/9	1608930000	A.50	ZQV 2.5N/2	1527540000	A.21	ZQV 2.5N/8 GE	1693860000	A.254	ZRH 2.5/2 GR/VO	1614290000	A.159
ZQV 2.5N/10	1527690000	A.11	ZQV 2.5N/2	1527540000	A.216	ZQV 2.5N/8 RT	1717960000	A.254	ZRH 2.5/3	1614280000	A.159
ZQV 2.5N/10	1527690000	A.12	ZQV 2.5N/2	1527540000	A.22	ZQV 2.5N/8 SW	1718140000	A.254	ZRH 4/1 WS	1636640000	A.159
ZQV 2.5N/10	1527690000	A.12	ZQV 2.5N/2	1527540000	A.224	ZQV 2.5N/9	1527680000	A.26	ZRH 4/2	1636650000	A.100
ZQV 2.5N/10	1527690000	A.13	ZQV 2.5N/2	1527540000	A.224	ZQV 2.5N/9 BL	1718060000	A.254	ZRV 1.5	1698160000	A.134
ZQV 2.5N/10	1527690000	A.165	ZQV 2.5N/2	1527540000	A.225	ZQV 2.5N/9 GE	1693870000	A.154	ZRV 1.5/PE	1698170000	A.134
ZQV 2.5N/10	1527690000	A.165	ZQV 2.5N/2	1527540000	A.23	ZQV 2.5N/9 GE	1693870000	A.254	ZRV 2.5/1	1906960000	A.135
ZQV 2.5N/10	1527690000	A.166	ZQV 2.5N/2	1527540000	A.23	ZQV 2.5N/9 SW	1718150000	A.254	ZRV 2.5/2	1906970000	A.135
ZQV 2.5N/10	1527690000	A.167	ZQV 2.5N/2	1527540000	A.23	ZQV 35/2	1739700000	A.155	ZSI 2.5	1616400000	A.108
ZQV 2.5N/10	1527690000	A.167	ZQV 2.5N/2	1527540000	A.234	ZQV 35-10	7920100000	A.154	ZSI 2.5/2 500AC	1616460000	A.110
ZQV 2.5N/10	1527690000	A.18	ZQV 2.5N/2	1527540000	A.234	ZQV 4/10 GE	1609030000	A.154	ZSI 2.5/2/LD 120AC	1616490000	A.111
ZQV 2.5N/10	1527690000	A.18	ZQV 2.5N/2	1527540000	A.235	ZQV 4/2 GE	1608950000	A.154	ZSI 2.5/2/LD 250AC	1616500000	A.111
ZQV 2.5N/10	1527690000	A.185	ZQV 2.5N/2	1527540000	A.235	ZQV 4/20 GE	1909010000	A.154	ZSI 2.5/2/LD 28AC	1616470000	A.111
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ZQV 2.5N/10	1527690000	A.19	ZQV 2.5N/2	1527540000	A.7	ZQV 4/6 GE	1608990000	A.154	ZSI 2.5/LD 250AC	1616410000	A.109
ZQV 2.5N/10	1527690000	A.19	ZQV 2.5N/2	1527540000	A.7	ZQV 4/7 GE	1609000000	A.154	ZSI 2.5/LD 28AC	1616440000	A.109
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ZQV 2.5N/10	1527690000	A.21	ZQV 2.5N/2 BL	1717990000	A.254	ZQV 4N/10	1528090000	A.26	ZSI 2.5-2/2X2AN/G20/LD1	1867440000	A.114
ZQV 2.5N/10	1527690000	A.216	ZQV 2.5N/2 BL	1527740000	B.32	ZQV 4N/10 BL	1794050000	A.254	ZSI 2.5-2/2X2AN/G20/LD3	1867420000	A.114
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ZQV 2.5N/10	1527690000	A.224	ZQV 2.5N/2 BL	1527740000	B.33	ZQV 4N/10 RT	1794040000	A.254	ZSI 2.5-2/2X2AN/G25	1826200000	A.112
ZQV 2.5N/10	1527690000	A.224	ZQV 2.5N/2 BL	1527740000	B.34	ZQV 4N/10 SW	1794060000	A.254	ZSI 6-2 2X2.5/G20	1820930000	A.116
ZQV 2.5N/10	1527690000	A.225	ZQV 2.5N/2 BL	1527740000	B.34	ZQV 4N/2	1527930000	A.26	ZSI 6-2 2X2.5/G20/LD1	1867500000	A.117
ZQV 2.5N/10	1527690000	A.23	ZQV 2.5N/2 BL	1527740000	B.35	ZQV 4N/2 BL	1793960000	A.254	ZSI 6-2 2X2.5/G20/LD4	1879750000	A.117
ZQV 2.5N/10	1527690000	A.23	ZQV 2.5N/2 GE	1693800000	A.122	ZQV 4N/2 BL	1528040000	B.36	ZSI 6-2 2X2.5/G25	1820950000	A.117
ZQV 2.5N/10	1527690000	A.23	ZQV 2.5N/2 GE	1693800000	A.124	ZQV 4N/2 BL	1528040000	B.37	ZSI 6-2/FC	1814690000	A.118
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ZQV 2.5N/10	1527690000	A.235	ZQV 2.5N/2 GE	1693800000	A.130	ZQV 4N/2 RD	2460450000	B.36	ZT 2.5/3AN/1 BL	1304720000	A.124
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ZQV 2.5N/10	1527690000	A.7	ZQV 2.5N/2 GE	1693800000	A.137	ZQV 4N/2 RD	2460450000	B.44	ZT 4/2AN/1 BL	1312830000	A.126
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0430700000	G 20/1.00A/F	A.220
0430700000	G 20/1.00A/F	A.44
0430700000	G 20/1.00A/F	A.45
0430800000	G 20/1.60A/F	A.220
0430800000	G 20/1.60A/F	A.45
0430900000	G 20/2.00A/F	A.108
0430900000	G 20/2.00A/F	A.109
0430900000	G 20/2.00A/F	A.112
0430900000	G 20/2.00A/F	A.114
0430900000	G 20/2.00A/F	A.116
0430900000	G 20/2.00A/F	A.117
0430900000	G 20/2.00A/F	A.117
0430900000	G 20/2.00A/F	A.204
0430900000	G 20/2.00A/F	A.206
0430900000	G 20/2.00A/F	A.207
0430900000	G 20/2.00A/F	A.210
0430900000	G 20/2.00A/F	A.216
0430900000	G 20/2.00A/F	A.218
0430900000	G 20/2.00A/F	A.216
0430900000	G 20/2.00A/F	A.220
0430900000	G 20/2.00A/F	A.44
0430900000	G 20/2.00A/F	A.45
0431000000	G 20/2.50A/F	A.220
0431000000	G 20/2.50A/F	A.45
0431100000	G 20/3.15A/F	A.220
0431100000	G 20/3.15A/F	A.45
0431200000	G 20/4.00A/F	A.220
0431200000	G 20/4.00A/F	A.45
0431300000	G 20/5.00A/F	A.220
0431300000	G 20/5.00A/F	A.45
0431400000	G 20/6.30A/F	A.220
0431400000	G 20/6.30A/F	A.45
0438000000	SSCH 10X3X1000 ST/ZN	C.12
0439000000	G 20/0.63A/F	A.220
0439000000	G 20/0.63A/F	A.45

## 0440000000

0445600000	MEW 1/32	C.21
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## 0470000000

0470700000	QL 2 SAK16	A.208
0470700000	QL 2 SAK16	A.209
0470700000	QL 2 SAK16	A.211
0471000000	QL 10 SAK16	A.208
0471000000	QL 10 SAK16	A.209
0471000000	QL 10 SAK16	A.211
0475380000	ZB 4K BL	B.128
0475380000	ZB 4K BL	B.128
0475380000	ZB 4K BL	B.129
0475380000	ZB 4K BL	B.129
0475380000	ZB 4K BL	B.130
0475380000	ZB 4K BL	B.130

## 0480000000

0485200000	ADP 1/HP1 1M	C.24
0485300000	ADP 2/HP2 1M	C.24
0485400000	ADP 3/HP3 1M	C.24
0485560000	HP 1 ADP1	C.24
0485660000	HP 2 ADP2	C.24
0485760000	HP 3 ADP3	C.24
0485860000	HP 4 ADP3	C.24

## 0490000000

0494920000	SH 2	C.13
0495660000	MOFU 35	C.23
0498000000	TS 35X15/2.3 2M/ST/ZN	C.19

## 0500000000

0501800000	SAKS 4/35 DB	A.214
0502100000	SAKS 5/35 DB	A.215
0502680000	ZB 35K BL M6X16	B.128
0502680000	ZB 35K BL M6X16	B.128
0502680000	ZB 35K BL M6X16	B.129
0502680000	ZB 35K BL M6X16	B.130
0502680000	ZB 35K BL M6X16	B.130
0502880000	ZB 16K BL	B.114
0502880000	ZB 16K BL	B.114
0502880000	ZB 16K BL	B.115
0502880000	ZB 16K BL	B.128
0502880000	ZB 16K BL	B.128
0502880000	ZB 16K BL	B.129
0502880000	ZB 16K BL	B.130
0502880000	ZB 16K BL	B.130
0503500000	MB M3/M5 CRM	C.23

## 0510000000

0510300000	G 25/0.50A/M WS	A.109
0510300000	G 25/0.50A/M WS	A.112
0510300000	G 25/0.50A/M WS	A.117
0510300000	G 25/0.50A/M WS	A.220

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0514200000	TS 15X5 2M/ST/ZN	C.18
0514300000	TSK 35X15 2M PVC/GR	C.20
0514400000	TS 32X15/LL 2M/ST/ZN	C.18
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.100
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.101
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.101
0514500000	TS 35X7.5/LL 2M/ST/ZN	C.19
0514510000	TS 35X7.5/LL 1M/ST/ZN	C.19
0514570000	TS 35X7.5/LL/6 2M/ST/ZN	C.19
0515300000	STR 7 F.SCHT 7	A.129
0515300000	STR 7 F.SCHT 7	A.129
0517960000	SCHT 7	A.240

## 0530000000

0531760000	SSP 3 SAKT1	A.52
0531760000	SSP 3 SAKT1	A.52
0531760000	SSP 3 SAKT1	A.52
0531760000	SSP 3 SAKT1	A.54

## 0540000000

0545300000	QB 58/8/9/WI	A.52
0545300000	QB 58/8/9/WI	A.52
0545300000	QB 58/8/9/WI	A.52
0545300000	QB 58/8/9/WI	A.52
0545300000	QB 58/8/9/WI	A.52
0545300000	QB 58/8/9/WI	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546000000	ISPF QB58 SW	A.52
0546900000	G 25/0.25A/M GE	A.220

## 0550000000

0553400000	MB M5/M3 SW	C.23
0556660000	SH 3	C.14

## 0560000000

0566700000	BEZ-KARTE ADP	C.24
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## 0570000000

0571300000	SSCH 6X6X1000 CU/SN	C.12
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## 0620000000

0620120000	MK 6/6	A.249
0620220000	MK 6/4	A.249
0620320000	MK 6/3	A.249
0620420000	MK 6/2	A.249
0624720000	BK 2 CRN	A.251
0624920000	BK 3 CRN	A.251
0625120000	BK 4 CRN	A.251
0625220000	BK 6 CRN	A.251
0625320000	BK 12 CRN	A.251

## 0630000000

0635960000	KLBUE SH1	C.13
0636800000	FM 5/TS35	C.23
0636900000	FM 6/TS35	C.23

## 0640000000

0641720000	SH 2 S	C.13
0642600000	FKSC M6X8 D9/SW3	C.22
0646210000	MOFU 35/LO/1 SW	C.23
0646260000	MOFU 35/LO/1	C.23
0646400000	G 25/0.80A/M GR	A.220

## 0680000000

0687900000	FM 4/TS35	B.96
0687900000	FM 4/TS35	C.23

## 0690000000

0697160000	AKZ 2.5	A.166
0697180000	AKZ 2.5 BL	A.166
0697360000	AP AKZ2.5	A.166
0697380000	AP AKZ2.5 BL	A.166

## 1000000000

1007810000	ZP 2.5/2AN/QV	A.139
1007830000	ZP 2.5/2AN/QV GN	A.139
1007860000	ZP 2.5/2AN/QV ZA GN	A.139
1007870000	ZP 2.5/2AN/QV ZA O.RA	A.139
1007880000	ZP 2.5/2AN/QV ZAO.RA BL	A.139
1007900000	ZP 2.5/1AN/QV	A.138
1007920000	ZP 2.5/1AN/QV GN	A.138
1007930000	ZP 2.5/1AN/QV ZA	A.138

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1007950000	ZP 2.5/1AN/QV ZA GN	A.138
1007960000	ZP 2.5/1AN/QV ZA O.RA	A.138
1007970000	ZP 2.5/1AN/QV ZAO.RA BL	A.138
1007980000	ZP 2.5/1AN/QV ZAO.RA GN	A.138
1009070000	ZP 2.5/1AN ZA BL	A.138

## 1010000000

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1173720000	PAP PRV/PPV8 SW	B.77
1173740000	PRV 8 SW 35X15 RT/WS	B.75
1173750000	PAP PRV/PPV4 SW	B.74
1173750000	PAP PRV/PPV4 SW	B.74
1173750000	PAP PRV/PPV4 SW	B.77
1173780000	PRV 8 SW 35X15 WS/RT	B.75
1173790000	PRV 8 SW 35X7.5 RT/WS	B.75
1173800000	PRV 8 SW 35X7.5 WS/RT	B.75
1173810000	PRV 4 SW 35X15 RT	B.74
1173820000	PRV 4 SW 35X15 WS	B.74
1173830000	PRV 4 SW 35X7.5 RT	B.74
1173840000	PRV 4 SW 35X7.5 WS	B.74
1173850000	PPV 8 GR 35X15 DGR	B.77
1173870000	PPV 8 GR 35X7.5 DGR	B.77
1173880000	PPV 4 GR 35X15 DGR	B.77
1173890000	PPV 4 GR 35X7.5 DGR	B.77
1173900000	PRV 8 BL 35X15 WS/RT	B.75
1173910000	PRV 8 BL 35X7.5 WS/RT	B.75
1173920000	PRV 4 BL 35X15 WS	B.74
1173930000	PRV 4 BL 35X7.5 WS	B.74

## 1180000000

1186630000	WDU 50N IR	A.180
1186630000	WDU 50N IR	B.8
1186720000	WAP WDK10	A.188
1186720000	WAP WDK10	A.189
1186720000	WAP WDK10	A.189
1186720000	WAP WDK10	A.189
1186720000	WAP WDK10	A.189
1186720000	WAP WDK10	A.190
1186720000	WAP WDK10	A.190
1186720000	WAP WDK10	A.191
1186720000	WAP WDK10	A.203
1186720000	WAP WDK10	B.24
1186720000	WAP WDK10	B.24
1186730000	WAP WDK10 BL	A.188
1186730000	WAP WDK10 BL	A.189
1186730000	WAP WDK10 BL	A.189
1186730000	WAP WDK10 BL	A.189
1186730000	WAP WDK10 BL	A.190
1186730000	WAP WDK10 BL	A.190
1186730000	WAP WDK10 BL	A.191
1186730000	WAP WDK10 BL	A.203
1186730000	WAP WDK10 BL	B.24
1186730000	WAP WDK10 BL	B.24
1186740000	WDK 10	A.188
1186750000	WDK 10 BL	A.188
1186770000	WDK 10 V	A.189
1186780000	WDK 10 V BL	A.189

## 1190000000

1193450000	WTR 4/ZZ BL	A.226
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## 1200000000

1208920000	ZVLD 2.5	A.80
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.11
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.32
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.32
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.34
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.34
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.74
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.74
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.75
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.75
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.76
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.76
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.77
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.77

## 1210000000

1210390000	ZTA ZVLD	A.157
1210410000	ZAP ZVLD 2.5	A.80
1211450000	PAP PRV/PPV4 GR	B.74
1211450000	PAP PRV/PPV4 GR	B.74
1211450000	PAP PRV/PPV4 GR	B.77
1211460000	PAP PRV/PPV8 GR	B.75
1211460000	PAP PRV/PPV8 GR	B.75
1211460000	PAP PRV/PPV8 GR	B.77
1216230000	HBT 6.0 - 4.6 GE	A.173
1216230000	HBT 6.0 - 4.6 GE	A.173
1216230000	HBT 6.0 - 4.6 GE	A.175
1216230000	HBT 6.0 - 4.6 GE	A.175

## 1220000000

1221340000	PMAK 4	A.36
1221350000	PMAK 4 800V	A.36
1221360000	PAP PMAK 4	A.36
1224870000	FUSE 1KV DC 2A 10/38	A.213
1224870000	FUSE 1KV DC 2A 10/38	A.221
1224880000	FUSE 1KV DC 4A 10/38	A.213
1224880000	FUSE 1KV DC 4A 10/38	A.221
1224890000	FUSE 1KV DC 6A 10/38	A.213
1224890000	FUSE 1KV DC 6A 10/38	A.221
1224900000	FUSE 1KV DC 8A 10/38	A.213
1224900000	FUSE 1KV DC 8A 10/38	A.221

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1224910000	FUSE 1KV DC 10A 10/38	A.213
1224910000	FUSE 1KV DC 10A 10/38	A.221
1224920000	FUSE 1KV DC 12A 10/38	A.213
1224920000	FUSE 1KV DC 12A 10/38	A.221
1224930000	FUSE 1KV DC 16A 10/38	A.213
1224930000	FUSE 1KV DC 16A 10/38	A.221
1224950000	FUSE 1KV DC 20A 10/38	A.213
1224950000	FUSE 1KV DC 20A 10/38	A.221
1227850000	ZEW 35/2 GR	C.21
1227890000	WEW 35/1 GR	C.14
1227890000	WEW 35/1 GR	C.21

## 1230000000

1230050000	TW PRV4 1-4	B.74
1230050000	TW PRV4 1-4	B.74
1230050000	TW PRV4 1-4	B.77
1230060000	TW PRV4 0-3	B.74
1230060000	TW PRV4 0-3	B.74
1230070000	TW PRV4 A-D	B.77
1230070000	TW PRV4 A-D	B.74
1230070000	TW PRV4 A-D	B.77
1230080000	TW PRV8 1-8	B.75
1230080000	TW PRV8 1-8	B.75
1230080000	TW PRV8 1-8	B.77
1230090000	TW PRV8 0-7	B.75
1230090000	TW PRV8 0-7	B.75
1230090000	TW PRV8 0-7	B.77
1230100000	TW PRV8 A-H	B.77
1230100000	TW PRV8 A-H	B.75
1230100000	TW PRV8 A-H	B.77
1230120000	TW PRV16 1-16	B.76
1230120000	TW PRV16 1-16	B.76
1230130000	TW PRV16 0-15	B.76
1230130000	TW PRV16 0-15	B.76
1230140000	TW PRV16 A-P	B.76
1230140000	TW PRV16 A-P	B.76
1231330000	WTR 4/ZZ STB BL	A.226
1231870000	PSI 6/10/LD 10-36V SW	A.44
1231880000	PSI 6/10/LD 10-36V	A.44
1233330000	HBT 2,5 - 4,6 BL	A.173
1233330000	HBT 2,5 - 4,6 BL	A.173
1233330000	HBT 2,5 - 4,6 BL	A.175
1233330000	HBT 2,5 - 4,6 BL	A.175
1233340000	HBT 1,5 - 4,6 RT	A.173
1233340000	HBT 1,5 - 4,6 RT	A.173
1233340000	HBT 1,5 - 4,6 RT	A.175
1233340000	HBT 1,5 - 4,6 RT	A.175
1238040000	ZEW 35 GR	C.21

## 1240000000

1246980000	SMSE WSH 135/60 MT	B.93
1247290000	WDK 2.5/TR-DU	A.232
1247310000	WDK 2.5/TR-DU STB	A.232
1247420000	WDK 2.5/TR-DU-PE	A.233
1247430000	WDK 2.5/TR-DU-PE STB	A.233

## 1250000000

1252490000	KLBUE 15-32 FM4	B.96
1252510000	KLBUE 10-20 FM4	B.96
1252520000	KLBUE 4-13.5 FM4	B.96
1252530000	KLBUE 3-8 FM4	B.96
1252540000	KLBUE 15-32 CPF16	B.97
1252550000	KLBUE 10-20 CPF16	B.97
1255010000	GWHUE M3 WTL6	B.48
1255010000	GWHUE M3 WTL6	B.48
1259120000	ZDT 2.5/8AN/4	A.131

## 1260000000

1267790000	PRV 16 BL 35X15 RT/WS	B.76
1267800000	PRV 16 BL 35X15 WS/RT	B.76
1267810000	PRV 16 BL 35X7.5 RT/WS	B.76
1267820000	PRV 16 BL 35X7.5 WS/RT	B.76
1267830000	PRV 8 BL 35X15 RT/WS	B.75
1267840000	PRV 8 BL 35X7.5 RT/WS	B.75
1267870000	PPV 8 BL 35X15 DGR	B.77
1267880000	PPV 8 BL 35X7.5 DGR	B.77
1267890000	PRV 4 BL 35X15 RT	B.74
1267900000	PRV 4 BL 35X7.5 RT	B.74
1267910000	PPV 4 BL 35X15 DGR	B.77
1267920000	PPV 4 BL 35X7.5 DGR	B.77
1267930000	BZT PRV16 BL 35X15	B.76
1267930000	BZT PRV16 BL 35X15	B.76
1267940000	BZT PRV16 BL 35X7.5	B.76
1267940000	BZT PRV16 BL 35X7.5	B.76
1267950000	BZT PRV8 BL 35X15	B.75
1267950000	BZT PRV8 BL 35X15	B.75
1267970000	BZT PRV8 BL 35X7.5	B.75
1267970000	BZT PRV8 BL 35X7.5	B.75
1267980000	BZT PRV4 BL 35X15	B.74
1267980000	BZT PRV4 BL 35X15	B.74
1267980000	BZT PRV4 BL 35X15	B.77
1267980000	BZT PRV4 BL 35X15	B.77

1267990000	BZT PRV4 BL 35X7.5	B.74
1267990000	BZT PRV4 BL 35X7.5	B.77
1268000000	PAP PRV/PPV8 BL	B.75
1268000000	PAP PRV/PPV8 BL	B.75
1268000000	PAP PRV/PPV8 BL	B.77
1268010000	PAP PRV/PPV4 BL	B.74
1268010000	PAP PRV/PPV4 BL	B.74
1268010000	PAP PRV/PPV4 BL	B.77
1269050000	EW 35 DB	C.21
1269060000	SCHT 14/6	A.240

## 1270000000

1270040000	WMF 2.5 BL	B.78
1270070000	WMF 2.5 DI BL	B.78
1270080000	WMF 2.5 DI PE BL	B.79
1271870000	ZTA ZVLD/Z3	A.157
1274660000	SDIS SL 0.6X3.5X100	A.100
1274660000	SDIS SL 0.6X3.5X100	A.100
1274660000	SDIS SL 0.6X3.5X100	A.102
1274660000	SDIS SL 0.6X3.5X100	A.102
1274660000	SDIS SL 0.6X3.5X100	A.103
1274660000	SDIS SL 0.6X3.5X100	A.104
1274660000	SDIS SL 0.6X3.5X100	A.105
1274660000	SDIS SL 0.6X3.5X100	A.106
1274660000	SDIS SL 0.6X3.5X100	A.108
1274660000	SDIS SL 0.6X3.5X100	A.109
1274660000	SDIS SL 0.6X3.5X100	A.109
1274660000	SDIS SL 0.6X3.5X100	A.110
1274660000	SDIS SL 0.6X3.5X100	A.111
1274660000	SDIS SL 0.6X3.5X100	A.112
1274660000	SDIS SL 0.6X3.5X100	A.114
1274660000	SDIS SL 0.6X3.5X100	A.120
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1274660000	SDIS SL 0.6X3.5X100	A.124
1274660000	SDIS SL 0.6X3.5X100	A.124
1274660000	SDIS SL 0.6X3.5X100	A.125
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1274660000	SDIS SL 0.6X3.5X100	A.126
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1274660000	SDIS SL 0.6X3.5X100	A.129
1274660000	SDIS SL 0.6X3.5X100	A.130
1274660000	SDIS SL 0.6X3.5X100	A.131
1274660000	SDIS SL 0.6X3.5X100	A.131
1274660000	SDIS SL 0.6X3.5X100	A.132
1274660000	SDIS SL 0.6X3.5X100	A.133
1274660000	SDIS SL 0.6X3.5X100	A.136
1274660000	SDIS SL 0.6X3.5X100	A.136
1274660000	SDIS SL 0.6X3.5X100	A.137
1274660000	SDIS SL 0.6X3.5X100	A.137
1274660000	SDIS SL 0.6X3.5X100	A.146
1274660000	SDIS SL 0.6X3.5X100	A.146
1274660000	SDIS SL 0.6X3.5X100	A.147
1274660000	SDIS SL 0.6X3.5X100	A.147
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1274660000	SDIS SL 0.6X3.5X100	A.150
1274660000	SDIS SL 0.6X3.5X100	A.150
1274660000	SDIS SL 0.6X3.5X100	A.151
1274660000	SDIS SL 0.6X3.5X100	A.151
1274660000	SDIS SL 0.6X3.5X100	A.151
1274660000	SDIS SL 0.6X3.5X100	A.152
1274660000	SDIS SL 0.6X3.5X100	A.152
1274660000	SDIS SL 0.6X3.5X100	A.153
1274660000	SDIS SL 0.6X3.5X100	A.156
1274660000	SDIS SL 0.6X3.5X100	A.156
1274660000	SDIS SL 0.6X3.5X100	A.157
1274660000	SDIS SL 0.6X3.5X100	A.157
1274660000	SDIS SL 0.6X3.5X100	A.160
1274660000	SDIS SL 0.6X3.5X100	A.160
1274660000	SDIS SL 0.6X3.5X100	A.161
1274660000	SDIS SL 0.6X3.5X100	A.161
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1286600000	TST 2/M5	C.22
1289660001	DEK 8 FSZ 1-10	A.59

## 1290000000

1295560000	ZT 2.5/2AN/1 BL	A.124
1297850000	WDTR 2.5/WE 0.STB	A.231
1298020000	WDTR 2.5 0.STB	A.231

## 1300000000

1303360000	AKE 2.5	A.193
1304720000	ZT 2.5/3AN/1 BL	A.124
1305230000	AH WDT 2.5 BT	A.234
1305240000	WAP WDT 2.5 BT	A.234
1305250000	WAP WDT 2.5 AT	A.234
1305250000	WAP WDT 2.5 AT	A.235
1305260000	WAP WDT 2.5/2	A.235
1305260000	WAP WDT 2.5/2	A.235
1305270000	WP 2.5/1AN/1	A.234
1305270000	WP 2.5/1AN/1	A.234
1305270000	WP 2.5/1AN/1	A.235
1305270000	WP 2.5/1AN/1	A.235
1305270000	WP 2.5/1AN/1	A.235
1305280000	WP 2.5/1AN/10	A.234
1305280000	WP 2.5/1AN/10	A.234
1305280000	WP 2.5/1AN/10	A.235
1305280000	WP 2.5/1AN/10	A.235
1305280000	WP 2.5/1AN/10	A.235
1305290000	WDT 2.5/2	A.235
1305300000	WDT 2.5/2 V	A.235
1305310000	WDT 2.5 BT	A.234
1305320000	WDT 2.5 AT	A.234
1305320000	WDT 2.5 AT	A.235
1305330000	WT 2.5	A.234

## 1310000000

1312440000	HBT 1.5 - 3.0 RT	A.171
1312440000	HBT 1.5 - 3.0 RT	A.171
1312440000	HBT 1.5 - 3.0 RT	A.171
1312440000	HBT 1.5 - 3.0 RT	A.217
1312440000	HBT 1.5 - 3.0 RT	A.227
1312440000	HBT 1.5 - 3.0 RT	A.228
1312440000	HBT 1.5 - 3.0 RT	A.228
1312440000	HBT 1.5 - 3.0 RT	A.229
1312450000	HBT 2.5 - 3.0 BL	A.171
1312450000	HBT 2.5 - 3.0 BL	A.171
1312450000	HBT 2.5 - 3.0 BL	A.217
1312450000	HBT 2.5 - 3.0 BL	A.227
1312450000	HBT 2.5 - 3.0 BL	A.228
1312450000	HBT 2.5 - 3.0 BL	A.228
1312450000	HBT 2.5 - 3.0 BL	A.229
1312450000	HBT 2.5 - 3.0 BL	A.229
1312500000	Q 2 DU	B.68
1312500000	Q 2 DU	B.68
1312500000	Q 2 DU	B.68
1312500000	Q 2 DU	B.69
1312500000	Q 2 DU	B.69
1312500000	Q 2 DU	B.69
1312500000	Q 2 DU	B.70
1312500000	Q 2 DU	B.70
1312500000	Q 2 DU	B.71
1312500000	Q 2 DU	B.71
1312600000	Q 3 DU	A.258
1312700000	Q 4 DU	A.258
1312830000	ZT 4/2AN/1 BL	A.126
1313100000	Q 10 DU	A.258
1313600000	NSCH 2M	C.12
1319260000	QVS 2/4 SAKT4	B.56
1319900000	BFSC M3X22 SAKT4	B.56

## 1340000000

1345280000	WTL 6/1/TNSC/EN	B.58
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## 1360000000

1368700000	SAKS 2/35 DB	A.214
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## 1370000000

1378160000	ADP 4/300	C.24
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## 1390000000

1393350000	WDU 6 IR	A.172
1393380000	WDU 10 IR	A.174
1393390000	WDU 16 IR	A.177
1393400000	WDU 35 IR	A.178
1394040000	ZDK 2.5-2/4AN	A.83
1394050000	ZAP/TW ZDK2.5-2/4AN	A.83
1399800000	Q 20 DU	A.258

## 1400000000

1402830000	KLBU 3-8 RC TS35	B.100
1403050000	KLBU 10-20 RC TS27	B.99
1403060000	KLBU 4-13.5 RC TS27	B.99
1403070000	KLBU 3-8 RC TS27	B.100
1403080000	KLBU 10-20 RC TS35	B.101

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1403090000	KLBU 4-13.5 RC TS35	B.101

## 1410000000

1411310000	PDL 6 S/L/L	B.122
1411320000	PDL 6 S/NTA/PE	B.123
1411330000	PDL 6 S/L/L/PE	B.122
1411340000	PDL 6 S/N/L/PE	B.123
1412950000	WDU 2.5 HV	A.167
1412960000	WDU 4 HV	A.169
1412970000	WDU 6 HV	A.172
1415470000	WDK 10 PE	A.203
1415480000	WDK 10 DU-PE	A.190
1415510000	WDK 10 L	A.189
1415520000	WDK 10 DU-N	A.189
1415530000	WDK 10 SET LS	A.191
1415530000	WDK 10 SET LS	B.24
1415540000	WDK 10 SET BCD	A.190
1415540000	WDK 10 SET BCD	B.24

## 1430000000

1430760000	ADP 4/1000	C.24
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## 1460000000

1460580000	GZ 0.5A/F	A.220
1460590000	GZ 1.0A/F	A.220
1460600000	GZ 2.0A/F	A.220
1460610000	GZ 3.0A/F	A.220
1460620000	GZ 5.0A/F	A.220
1460630000	GZ 7.0A/F	A.220
1460640000	GZ 10.0A/F	A.220
1460650000	GZ 12.5A/F	A.220

## 1480000000

1480270000	ZDK 2.5-2/4AN BL	A.83
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## 1510000000

1513640000	APG 2.5/2	A.25
1513650000	APG 2.5/3	A.25
1513670000	APG 2.5/4	A.25
1513680000	APG 2.5/5	A.25
1513690000	APG 2.5/6	A.25
1513700000	APG 2.5/7	A.25
1513720000	APG 2.5/1	A.22
1513720000	APG 2.5/1	A.23
1513720000	APG 2.5/1	A.23
1513720000	APG 2.5/1	A.25
1513730000	APG 2.5/8	A.25
1513740000	APG 2.5/9	A.25
1513770000	APG 2.5/10	A.25
1513870000	APGTB 2.5 PE 2C/1	A.22
1513970000	APGTB 2.5 FT 2C/1	A.22
1513990000	APGTB 2.5 FT 2C/1 BL	A.22
1514400000	AEP 2C 2.5	A.15
1514400000	AEP 2C 2.5	A.22
1514400000	AEP 2C 2.5	A.22
1514400000	AEP 2C 2.5	A.7
1514420000	AEP 2C 2.5 BL	A.22
1514420000	AEP 2C 2.5 BL	A.7
1514490000	APGCE	A.25
1514500000	APGPC 2.5	A.25
1518300000	KDKS 1PE/LLC 10-36V AC/DC	A.219
1518330000	KDKS 1PE/LLC 30-70V AC/DC	A.219
1518340000	KDKS 1PE/LLC 60-150V AC/DC	A.219
1518370000	KDKS 1PE/LLC 100-250V AC/DC	A.219

## 1520000000

1521510000	AEP 3C 2.5	A.15
1521510000	AEP 3C 2.5	A.7
1521520000	AEP 3C 2.5 BL	A.240
1521530000	AEP 4C 2.5	A.15
1521530000	AEP 4C 2.5	A.18
1521530000	AEP 4C 2.5	A.18
1521530000	AEP 4C 2.5	A.19
1521530000	AEP 4C 2.5	A.19
1521530000	AEP 4C 2.5	A.8
1521540000	A4C 2.5 PE	A.15
1521640000	AEP 4C 2.5 BL	A.18
1521640000	AEP 4C 2.5 BL	A.18
1521640000	AEP 4C 2.5 BL	A.19
1521640000	AEP 4C 2.5 BL	A.15
1521670000	A3C 2.5 PE	A.8
1521680000	A2C 2.5 PE	A.15
1521690000	A4C 2.5	A.8
1521700000	A4C 2.5 BL	A.8
1521740000	A3C 2.5	A.7
1521780000	A3C 2.5 BL	A.7
1521850000	A2C 2.5	A.7
1521880000	A2C 2.5 BL	A.7
1527540000	ZQV 2.5N/2	A.11
1527540000	ZQV 2.5N/2	A.12
1527540000	ZQV 2.5N/2	A.12
1527540000	ZQV 2.5N/2	A.13

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1527540000	ZQV 2.5N/2	A.167
1527540000	ZQV 2.5N/2	A.167
1527540000	ZQV 2.5N/2	A.18
1527540000	ZQV 2.5N/2	A.18
1527540000	ZQV 2.5N/2	A.185
1527540000	ZQV 2.5N/2	A.186
1527540000	ZQV 2.5N/2	A.186
1527540000	ZQV 2.5N/2	A.187
1527540000	ZQV 2.5N/2	A.19
1527540000	ZQV 2.5N/2	A.19
1527540000	ZQV 2.5N/2	A.20
1527540000	ZQV 2.5N/2	A.20
1527540000	ZQV 2.5N/2	A.21
1527540000	ZQV 2.5N/2	A.216
1527540000	ZQV 2.5N/2	A.22
1527540000	ZQV 2.5N/2	A.224
1527540000	ZQV 2.5N/2	A.224
1527540000	ZQV 2.5N/2	A.225
1527540000	ZQV 2.5N/2	A.23
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1527540000	ZQV 2.5N/2	A.23
1527540000	ZQV 2.5N/2	A.234
1527540000	ZQV 2.5N/2	A.234
1527540000	ZQV 2.5N/2	A.235
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1527540000	ZQV 2.5N/2	A.235
1527540000	ZQV 2.5N/2	A.240
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1527540000	ZQV 2.5N/2	A.7
1527540000	ZQV 2.5N/2	A.7
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1527570000	ZQV 2.5N/3	A.26
1527590000	ZQV 2.5N/4	A.26
1527620000	ZQV 2.5N/5	A.26
1527630000	ZQV 2.5N/6	A.26
1527640000	ZQV 2.5N/7	A.26
1527670000	ZQV 2.5N/8	A.26
1527680000	ZQV 2.5N/9	A.26
1527690000	ZQV 2.5N/10	A.11
1527690000	ZQV 2.5N/10	A.12
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1527690000	ZQV 2.5N/10	A.18
1527690000	ZQV 2.5N/10	A.18
1527690000	ZQV 2.5N/10	A.185
1527690000	ZQV 2.5N/10	A.186
1527690000	ZQV 2.5N/10	A.186
1527690000	ZQV 2.5N/10	A.187
1527690000	ZQV 2.5N/10	A.19
1527690000	ZQV 2.5N/10	A.19
1527690000	ZQV 2.5N/10	A.20
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1527690000	ZQV 2.5N/10	A.22
1527690000	ZQV 2.5N/10	A.224
1527690000	ZQV 2.5N/10	A.224
1527690000	ZQV 2.5N/10	A.225
1527690000	ZQV 2.5N/10	A.23
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1650350000	ZDU 2.5/2X2AN/D-	A.147
1650360000	ZVL 1.5 BL	B.67
1650370000	ZVL 1.5 BR	B.67
1651970000	ZVL 1.5/PE GN/GE BED	B.67
1651980000	ZIA 1.5/3L-1S	B.66
1651990000	ZIA 1.5/3L-1S/LD-RT	B.66
1652000000	ZIA 1.5/3L-PE	B.66
1652010000	ZIA 1.5/4L-1S	B.67
1652020000	ZIA 1.5/4L-1S/LD	B.67
1652030000	ZIA 1.5/4L-PE	B.67
1654050000	ZTA 3 ZDU6	A.156

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1670360000	QVSK 2 SAKT1	A.54
1674300000	ZDK 2.5	A.76
1674650000	ZAP/TW ZPV1.5	B.66
1674730000	ZAP/TW ZDK2.5	A.104
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1674730000	ZAP/TW ZDK2.5	A.151
1674730000	ZAP/TW ZDK2.5	A.76
1674730000	ZAP/TW ZDK2.5	A.76
1674730000	ZAP/TW ZDK2.5	A.77
1674730000	ZAP/TW ZDK2.5	A.77
1674730000	ZAP/TW ZDK2.5	A.77
1674770000	ESG 9/17 K MC SDR	B.12
1675350000	KLBLUE 2X2-6	B.90
1676610000	BZT ZVL1.5	B.67
1676620000	BZT ZVL1.5/O.ZA	B.67
1676630000	ZPV 1.5	B.66
1677120000	ZOB 2.5-2	A.154
1677120000	ZOB 2.5-2	A.56
1677120000	ZOB 2.5-2	A.56
1677120000	ZOB 2.5-2	A.69
1678630000	ZDK 2.5 BL	A.76
1678800000	ZRH 1.5H/2	A.159
1678810000	ZRH 1.5H/1	A.159

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1688110000	ZTA 4	A.157
1689960000	ZDK 2.5N-DU	A.77
1689970000	ZDK 2.5DU-PE	A.77
1689980000	ZDK 2.5N-PE	A.77
1689990000	ZDK 2.5V	A.76

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1690000000	ZDK 2.5PE	A.104
1690010000	ZDK 2.5/LD RT/1	A.149
1690020000	ZDK 2.5/D/1	A.150
1690030000	ZDK 2.5/D/2	A.150
1690040000	ZDK 2.5/D/4	A.151
1690050000	ZDK 2.5/D/5	A.151
1690060000	ZDK 2.5/D/6	A.151
1692261001	KLBLUE 3-8 SC	B.95
1692590000	ZDU 2.5/2X2AN/LD+	A.146
1692600000	ZDU 2.5/2X2AN/LD-	A.146
1693800000	ZQV 2.5N/2 GE	A.122
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1693800000	ZQV 2.5N/2 GE	A.124
1693800000	ZQV 2.5N/2 GE	A.125
1693800000	ZQV 2.5N/2 GE	A.125
1693800000	ZQV 2.5N/2 GE	A.130
1693800000	ZQV 2.5N/2 GE	A.130
1693800000	ZQV 2.5N/2 GE	A.131
1693800000	ZQV 2.5N/2 GE	A.131
1693800000	ZQV 2.5N/2 GE	A.133
1693800000	ZQV 2.5N/2 GE	A.137
1693800000	ZQV 2.5N/2 GE	A.154
1693800000	ZQV 2.5N/2 GE	A.254
1693800000	ZQV 2.5N/2 GE	A.57
1693800000	ZQV 2.5N/2 GE	A.57
1693800000	ZQV 2.5N/2 GE	B.78
1693800000	ZQV 2.5N/2 GE	B.78
1693800000	ZQV 2.5N/2 GE	B.79
1693800000	ZQV 2.5N/2 GE	A.125
1693800000	ZQV 2.5N/2 GE	A.125
1693800000	ZQV 2.5N/2 GE	A.130
1693800000	ZQV 2.5N/2 GE	A.131
1693800000	ZQV 2.5N/2 GE	A.133
1693800000	ZQV 2.5N/2 GE	A.137
1693800000	ZQV 2.5N/2 GE	B.83
1693800000	ZQV 2.5N/3 GE	A.154
1693810000	ZQV 2.5N/3 GE	A.254
1693820000	ZQV 2.5N/4 GE	A.154
1693820000	ZQV 2.5N/4 GE	A.254
1693830000	ZQV 2.5N/5 GE	A.154

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1693840000	ZQV 2.5N/6 GE	A.154
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1693850000	ZQV 2.5N/7 GE	A.154
1693850000	ZQV 2.5N/7 GE	A.254
1693860000	ZQV 2.5N/8 GE	A.154
1693860000	ZQV 2.5N/8 GE	A.254
1693870000	ZQV 2.5N/9 GE	A.154
1693870000	ZQV 2.5N/9 GE	A.254
1693880000	ZQV 2.5N/10 GE	A.122
1693880000	ZQV 2.5N/10 GE	A.124
1693880000	ZQV 2.5N/10 GE	A.124
1693880000	ZQV 2.5N/10 GE	A.125
1693880000	ZQV 2.5N/10 GE	A.125
1693880000	ZQV 2.5N/10 GE	A.130
1693880000	ZQV 2.5N/10 GE	A.130
1693880000	ZQV 2.5N/10 GE	A.131
1693880000	ZQV 2.5N/10 GE	A.131
1693880000	ZQV 2.5N/10 GE	A.133
1693880000	ZQV 2.5N/10 GE	A.137
1693880000	ZQV 2.5N/10 GE	A.137
1693880000	ZQV 2.5N/10 GE	A.154
1693880000	ZQV 2.5N/10 GE	A.254
1693880000	ZQV 2.5N/10 GE	A.57
1693880000	ZQV 2.5N/10 GE	A.57
1693880000	ZQV 2.5N/10 GE	B.78
1693880000	ZQV 2.5N/10 GE	B.78
1693880000	ZQV 2.5N/10 GE	B.79
1693880000	ZQV 2.5N/10 GE	B.80
1693880000	ZQV 2.5N/10 GE	B.80
1693880000	ZQV 2.5N/10 GE	B.81
1693880000	ZQV 2.5N/10 GE	B.81
1693880000	ZQV 2.5N/10 GE	B.82
1693880000	ZQV 2.5N/10 GE	B.83
1693880000	ZQV 2.5N/10 GE	B.83
1693940000	ZDK 2.5/LD RT/2	A.149
1694140000	ZDK 2.5 OR	A.149
1697540000	ZQV 2.5/50	B.66
1697540000	ZQV 2.5/50	B.67
1698160000	ZRV 1.5	A.134
1698170000	ZRV 1.5/PE	A.134
1698180000	AP ZRV1.5 DB	A.134
1698180000	AP ZRV1.5 DB	A.134
1698190000	STGH 4 ZRV1.5	A.134
1698200000	STGH 4 ZRV1.5/PE GN	A.134

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1704750000	ZAP ZDUB	A.56
1704750000	ZAP ZDUB	A.56
1704750000	ZAP ZDUB	A.91
1704760000	ZAP ZDUB BL	A.56
1704760000	ZAP ZDUB BL	A.56
1704770000	ZAP ZDUB OR	A.56
1704770000	ZAP ZDUB OR	A.56
1705310000	DFFC 0.2-0.35 ZRV1.5	A.134
1705320000	DFFC 5-1.0 ZRV1.5	A.134
1706010000	ZDU 2.5-2/3AN	A.68
1706040000	ZDU 2.5-2/3AN BL	A.68
1706060000	ZDU 2.5-2/4AN	A.69
1706070000	ZDU 2.5-2/4AN BL	A.69
1706090000	ZPE 2.5-2/3AN	A.98
1706100000	ZPE 2.5-2/4AN	A.99
1706110000	ZAP/TW7	A.121
1706110000	ZAP/TW7	A.148
1706110000	ZAP/TW7	A.148
1706110000	ZAP/TW7	A.68
1706110000	ZAP/TW7	A.68
1706110000	ZAP/TW7	A.69
1706110000	ZAP/TW7	A.98
1706110000	ZAP/TW7	A.98
1706110000	ZAP/TW7	A.99
1706120000	ZAP/TW7 BL	A.68
1706120000	ZAP/TW7 BL	A.68
1706120000	ZAP/TW7 BL	A.69

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1711930000	ZVL 1.5 Q.QV	B.67
1712311001	KLBLUE 4-13.5 SC	B.95
1712321001	KLBLUE 10-20 SC	B.95
1712750000	ZDUB 2.5-2/2AN/15	A.56
1712760000	ZDUB 2.5-2/2AN/15 BL	A.56
1712770000	ZDUB 2.5-2/2AN/15 OR	A.56
1712780000	ZDUB 2.5-2/4AN/15	A.56
1712790000	ZDUB 2.5-2/4AN/15 BL	A.56
1712800000	ZDUB 2.5-2/4AN/15 OR	A.56
1712810000	ZPEB 2.5-2	A.91
1715970000	WSH 3/H/N	B.92
1716300000	KLBLUE 15-32	B.90
1717740000	WPE 35N	A.199
1717900000	ZQV 2.5N/2 RT	A.254
1717910000	ZQV 2.5N/3 RT	A.254
1717920000	ZQV 2.5N/4 RT	A.254
1717930000	ZQV 2.5N/5 RT	A.254
1717940000	ZQV 2.5N/6 RT	A.254
1717950000	ZQV 2.5N/7 RT	A.254
1717960000	ZQV 2.5N/8 RT	A.254
1717980000	ZQV 2.5N/10 RT	A.254

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1718020000	ZQV 2.5N/6 BL	A.254
1718030000	ZQV 2.5N/6 BL	A.254
1718040000	ZQV 2.5N/7 BL	A.254
1718050000	ZQV 2.5N/8 BL	A.254
1718060000	ZQV 2.5N/9 BL	A.254
1718070000	ZQV 2.5N/10 BL	A.254
1718080000	ZQV 2.5N/2 SW	A.254
1718090000	ZQV 2.5N/3 SW	A.254
1718100000	ZQV 2.5N/4 SW	A.254
1718110000	ZQV 2.5N/5 SW	A.254
1718120000	ZQV 2.5N/6 SW	A.254
1718130000	ZQV 2.5N/7 SW	A.254
1718140000	ZQV 2.5N/8 SW	A.254
1718150000	ZQV 2.5N/9 SW	A.254
1718160000	ZQV 2.5N/10 SW	A.254
1718341001	KLBLUE 15-32 SC	B.95
1718550000	WNT 35N 10X3	B.134

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1720700000	ZVQ 2.5/1.5	A.155
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1720930000	ZDUA 2.5-2 BL	A.57
1720940000	ZDUA 2.5-2 OR	A.57
1720950000	ZPEA 2.5-2	A.90
1720960000	ZAP/TW ZDUA	A.57
1720960000	ZAP/TW ZDUA	A.90
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1723800000	BS 35II KLBLUE HOLDER	B.96
1723810000	BS 35II KLBLUE3-8	B.96
1723820000	BS 35II KLBLUE 4-13.5	B.96
1724580000	FM 4.2/TS35	C.23

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1730900000	ZSI 2.5/5X25	A.109
1730940000	WDU 2.5N/600UL	A.168
1733640000	ZQV 6/32 GE	B.122
1733640000	ZQV 6/32 GE	B.123
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1739540000	ZDU 10S	B.125
1739550000	ZDU 10S BL	B.125
1739560000	ZNT 10S	B.128
1739570000	ZPE 10S	B.127
1739580000	ZDU 16S	B.125
1739590000	ZDU 16S BL	B.125
1739600000	ZNT 16S	B.129
1739610000	ZPE 16S	B.127
1739620000	ZQV 35	A.66
1739630000	ZDU 35 BL	A.66
1739640000	ZNT 35	B.129
1739650000	ZPE 35	A.97
1739660000	ZAP ZDU10/16S	B.125
1739660000	ZAP ZDU10/16S	B.125
1739660000	ZAP ZDU10/16S	B.127
1739660000	ZAP ZDU10/16S	B.127
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1739660000	ZAP ZDU10/16S	B.130
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1770400000	ZAP ZDU4-2	A.69
1770400000	ZAP ZDU4-2	A.70
1770400000	ZAP ZDU4-2	A.99
1770400000	ZAP ZDU4-2	A.99
1770840000	ZDU 4-2/2AN BL	A.69
1770860000	ZDU 4-2/3AN BL	A.69
1770880000	ZAP ZDU4-2 BL	A.69
1770880000	ZAP ZDU4-2 BL	A.70
1771360000	ZPE 6-2/3AN	A.101
1771370000	ZPE 6-2/2AN	A.100
1771380000	ZDU 6-2/2AN	A.71
1771390000	ZDU 6-2/2AN BL	A.71
1771410000	ZDU 6-2/3AN	A.71
1771420000	ZDU 6-2/3AN BL	A.71
1771440000	ZAP ZDU6-2	A.100
1771440000	ZAP ZDU6-2	A.101
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1771440000	ZAP ZDU6-2	B.102
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1771820000	KSBR/2 ZTL6	B.50
1771820000	KSBR/2 ZTL6	B.51
1771820000	KSBR/2 ZTL6	B.51
1771830000	KSBR/3 ZTL6	B.51
1771830000	KSBR/3 ZTL6	B.51
1771840000	KSBR/4 ZTL6	B.51
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1771860000	SSP ZTL6	B.50
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1776040000	ZAP/TW ZDU1.5/2AN BL	A.58
1776060000	ZAP/TW ZDU1.5/3AN	A.58
1776060000	ZAP/TW ZDU1.5/3AN	A.59
1776060000	ZAP/TW ZDU1.5/3AN	A.91
1776070000	ZAP/TW ZDU1.5/3AN BL	A.58
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1776090000	ZAP/TW ZDU1.5/4AN	A.59
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1776120000	ZQV 1.5/2	A.74
1776120000	ZQV 1.5/2	A.74
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1776200000	ZQV 1.5/10	A.154
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1779110000	ZDU 2.5-2/D-	A.148
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1780890000	WTW WF10/WF12	A.270
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1780900000	WTW WF8	A.277
1780910000	WTW WF8 2300	A.267
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1781000000	WQL 3 WF8	A.277
1781010000	WQL 2 WF10	A.277
1781020000	WQL 3 WF10	A.277
1781030000	WQL 2 WF12	A.277
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1781050000	HA ADP WF6/WF10	A.266
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1781230000	WTW WF6 2300	A.266
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1781230000	WTW WF6 2300	A.278
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1781940000	ZAD 7/4	A.58
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1783550000	AP DL12.5 DB	B.68
1783550000	AP DL12.5 DB	B.69
1783550000	AP DL12.5 DB	B.69
1783550000	AP DL12.5 DB	B.69
1783550000	AP DL12.5 DB	B.70
1783550000	AP DL12.5 DB	B.70
1783550000	AP DL12.5 DB	B.71
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1783560000	DLA 2.5 DB	B.70
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1791030000	ZDK 2.5-2V	A.82
1791040000	ZDK 2.5-2V BL	A.82
1791050000	ZAP/TW ZDK2.5-2	A.105
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1791060000	ZAP/TW ZDK2.5-2 BL	A.82
1791060000	ZAP/TW ZDK2.5-2 BL	A.82
1791100000	ZDK 1.5	A.74
1791110000	ZDK 1.5 BL	A.74
1791120000	ZDK 1.5DU-PE	A.75
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1791150000	ZDK 1.5PE	A.104
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1791160000	ZAP/TW ZDK1.5	A.74
1791160000	ZAP/TW ZDK1.5	A.74
1791160000	ZAP/TW ZDK1.5	A.75
1791170000	ZAP/TW ZDK1.5 BL	A.74
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1791170000	ZAP/TW ZDK1.5 BL	A.75
1791190000	ZEI 6	A.59
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1792000000	WS 10/5 M MC NE WS	A.22
1792000000	WS 10/5 M MC NE WS	A.23
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1814700000	ZSI 6-2/FC LD	A.118
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1815200000	ZP 2.5/1AN/QV/2	A.125
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1815200000	ZP 2.5/1AN/QV/2	A.130
1815200000	ZP 2.5/1AN/QV/2	A.131
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1815210000	ZP 2.5/1AN/QV/3	A.124
1815210000	ZP 2.5/1AN/QV/3	A.124
1815210000	ZP 2.5/1AN/QV/3	A.125
1815210000	ZP 2.5/1AN/QV/3	A.130
1815210000	ZP 2.5/1AN/QV/3	A.130
1815210000	ZP 2.5/1AN/QV/3	A.137
1815220000	ZP 2.5/1AN/QV/4	A.124
1815220000	ZP 2.5/1AN/QV/4	A.124
1815220000	ZP 2.5/1AN/QV/4	A.125
1815220000	ZP 2.5/1AN/QV/4	A.130
1815220000	ZP 2.5/1AN/QV/4	A.130
1815220000	ZP 2.5/1AN/QV/4	A.131
1815220000	ZP 2.5/1AN/QV/4	A.137
1815230000	ZP 2.5/1AN/QV/5	A.124
1815230000	ZP 2.5/1AN/QV/5	A.124
1815230000	ZP 2.5/1AN/QV/5	A.125
1815230000	ZP 2.5/1AN/QV/5	A.130
1815230000	ZP 2.5/1AN/QV/5	A.130
1815230000	ZP 2.5/1AN/QV/5	A.131
1815230000	ZP 2.5/1AN/QV/5	A.131
1815230000	ZP 2.5/1AN/QV/5	A.137
1815240000	ZP 2.5/1AN/QV/6	A.124
1815240000	ZP 2.5/1AN/QV/6	A.125
1815240000	ZP 2.5/1AN/QV/6	A.130
1815240000	ZP 2.5/1AN/QV/6	A.130
1815240000	ZP 2.5/1AN/QV/6	A.137
1815250000	ZP 2.5/1AN/QV/7	A.124
1815250000	ZP 2.5/1AN/QV/7	A.124
1815250000	ZP 2.5/1AN/QV/7	A.125
1815250000	ZP 2.5/1AN/QV/7	A.130
1815250000	ZP 2.5/1AN/QV/7	A.130
1815250000	ZP 2.5/1AN/QV/7	A.131
1815250000	ZP 2.5/1AN/QV/7	A.137
1815260000	ZP 2.5/1AN/QV/8	A.124
1815260000	ZP 2.5/1AN/QV/8	A.124
1815260000	ZP 2.5/1AN/QV/8	A.125
1815260000	ZP 2.5/1AN/QV/8	A.130
1815260000	ZP 2.5/1AN/QV/8	A.130
1815260000	ZP 2.5/1AN/QV/8	A.137
1815260000	ZP 2.5/1AN/QV/8	A.137
1815270000	ZP 2.5/1AN/QV/9	A.124
1815270000	ZP 2.5/1AN/QV/9	A.125
1815270000	ZP 2.5/1AN/QV/9	A.130
1815270000	ZP 2.5/1AN/QV/9	A.131
1815270000	ZP 2.5/1AN/QV/9	A.137
1815280000	ZP 2.5/1AN/QV/10	A.124
1815280000	ZP 2.5/1AN/QV/10	A.124
1815280000	ZP 2.5/1AN/QV/10	A.125
1815280000	ZP 2.5/1AN/QV/10	A.130
1815280000	ZP 2.5/1AN/QV/10	A.130
1815280000	ZP 2.5/1AN/QV/10	A.131
1815280000	ZP 2.5/1AN/QV/10	A.137
1815290000	ZP 2.5/1AN/QV/11	A.137
1815300000	ZP 2.5/1AN/QV/12	A.137
1815310000	ZP 2.5/1AN/QV/13	A.137
1815320000	ZP 2.5/1AN/QV/14	A.137
1815330000	ZP 2.5/1AN/QV/15	A.137
1815340000	ZP 2.5/1AN/QV/16	A.137
1815350000	ZP 2.5/1AN/QV/17	A.137
1815430000	ZP 2.5/1AN/1	A.125
1815430000	ZP 2.5/1AN/1	A.125
1815440000	ZP 2.5/1AN/2	A.126
1815440000	ZP 2.5/1AN/2	A.126
1815450000	ZP 2.5/1AN/3	A.126
1815450000	ZP 2.5/1AN/3	A.136
1815500000	ZP 2.5/1AN/4	A.125
1815500000	ZP 2.5/1AN/4	A.136
1815510000	ZP 2.5/1AN/5	A.125
1815510000	ZP 2.5/1AN/5	A.136
1815520000	ZP 2.5/1AN/6	A.125
1815520000	ZP 2.5/1AN/6	A.136
1815520000	ZP 2.5/1AN/6	A.142
1815530000	ZP 2.5/1AN/7	A.125
1815530000	ZP 2.5/1AN/7	A.136
1815540000	ZP 2.5/1AN/8	A.125
1815540000	ZP 2.5/1AN/8	A.136
1815550000	ZP 2.5/1AN/9	A.125
1815550000	ZP 2.5/1AN/9	A.136

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1815580000	ZP 2.5/1AN/12	A.136
1815590000	ZP 2.5/1AN/13	A.136
1815600000	ZP 2.5/1AN/14	A.136
1815610000	ZP 2.5/1AN/15	A.136
1815620000	ZP 2.5/1AN/16	A.136
1815730000	ZP 2.5/2AN/QV/1	A.137
1815740000	ZP 2.5/2AN/QV/2	A.137
1815750000	ZP 2.5/2AN/QV/3	A.137
1815760000	ZP 2.5/2AN/QV/4	A.137
1815770000	ZP 2.5/2AN/QV/5	A.137
1815780000	ZP 2.5/2AN/QV/6	A.137
1815790000	ZP 2.5/2AN/QV/7	A.137
1815800000	ZP 2.5/2AN/QV/8	A.137
1815810000	ZP 2.5/2AN/QV/9	A.137
1815820000	ZP 2.5/2AN/QV/10	A.137
1815830000	ZP 2.5/2AN/QV/11	A.137
1815840000	ZP 2.5/2AN/QV/12	A.137
1815870000	ZP 2.5/2AN/QV/15	A.137
1815880000	ZP 2.5/2AN/QV/16	A.137
1816030000	ZAP/TW ZT2.5/2AN	A.127
1816030000	ZAP/TW ZT2.5/2AN OR	A.124
1816040000	ZAP/TW ZT2.5/2AN OR	A.127
1816050000	ZAP/TW ZT2.5/3AN	A.124
1816050000	ZAP/TW ZT2.5/3AN	A.127
1816070000	ZAP/TW ZT2.5/4AN/2	A.125
1816070000	ZAP/TW ZT2.5/4AN/2	A.128
1816080000	ZAP/TW ZT2.5/4AN/2 OR	A.125
1816080000	ZAP/TW ZT2.5/4AN/2 OR	A.128
1816090000	ZAP/TW ZT2.5/4AN/4	A.125
1816090000	ZAP/TW ZT2.5/4AN/4	A.128
1816110000	ZAP/TW ZT2.5/2	A.130
1816110000	ZAP/TW ZT2.5/2	A.130
1816110000	ZAP/TW ZT2.5/2	A.131
1816110000	ZAP/TW ZT2.5/2	A.131
1816110000	ZAP/TW ZT2.5/2	A.132
1816130000	ZVR ZP2.5	A.124
1816130000	ZVR ZP2.5	A.124
1816130000	ZVR ZP2.5	A.125
1816130000	ZVR ZP2.5	A.125
1816130000	ZVR ZP2.5	A.127
1816130000	ZVR ZP2.5	A.127
1816130000	ZVR ZP2.5	A.128
1816130000	ZVR ZP2.5	A.128
1816130000	ZVR ZP2.5	A.130
1816130000	ZVR ZP2.5	A.130
1816130000	ZVR ZP2.5	A.131
1816130000	ZVR ZP2.5	A.131
1816130000	ZVR ZP2.5	A.132
1816130000	ZVR ZP2.5	A.140
1816130000	ZVR ZP2.5	A.142
1816130000	ZVR ZP2.5	A.234
1816130000	ZVR ZP2.5	A.234
1816130000	ZVR ZP2.5	A.235
1816130000	ZVR ZP2.5	A.235
1816140000	ZZE ZP2.5	A.124
1816140000	ZZE ZP2.5	A.124
1816140000	ZZE ZP2.5	A.125
1816140000	ZZE ZP2.5	A.125
1816140000	ZZE ZP2.5	A.127
1816140000	ZZE ZP2.5	A.127
1816140000	ZZE ZP2.5	A.128
1816140000	ZZE ZP2.5	A.128
1816140000	ZZE ZP2.5	A.130
1816140000	ZZE ZP2.5	A.130
1816140000	ZZE ZP2.5	A.131
1816140000	ZZE ZP2.5	A.131
1816140000	ZZE ZP2.5	A.132
1816140000	ZZE ZP2.5	A.140
1816140000	ZZE ZP2.5	A.142
1816140000	ZZE ZP2.5	A.234
1816140000	ZZE ZP2.5	A.234
1816140000	ZZE ZP2.5	A.235
1816140000	ZZE ZP2.5	A.235
1816140000	ZZE ZP2.5	A.235
1816150000	KOSF ZT2.5	A.124
1816150000	KOSF ZT2.5	A.124
1816150000	KOSF ZT2.5	A.125
1816150000	KOSF ZT2.5	A.125
1816150000	KOSF ZT2.5	A.127
1816150000	KOSF ZT2.5	A.127
1816150000	KOSF ZT2.5	A.128
1816150000	KOSF ZT2.5	A.128
1816150000	KOSF ZT2.5	A.130
1816150000	KOSF ZT2.5	A.130
1816150000	KOSF ZT2.5	A.131
1816150000	KOSF ZT2.5	A.132
1816150000	KOSF ZT2.5	A.140
1816150000	KOSF ZT2.5	A.142
1816150000	KOSF ZT2.5	A.23



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1834080000	WQV 50N/4	B.107
1834080000	WQV 50N/4	B.6
1834080000	WQV 50N/4	B.6
1835840000	KLBE 3-8 SDSC	B.95
1837030000	PDL 4 S/L/L	B.121
1837040000	PDL 4 S/L/L/PE	B.120
1837050000	PDL 4 S/N/L/PE	B.118
1837060000	PDL 4 S/NT/L/PE	B.120
1837070000	PAP PDL4S	B.118
1837070000	PAP PDL4S	B.118
1837070000	PAP PDL4S	B.119
1837070000	PAP PDL4S	B.119
1837070000	PAP PDL4S	B.120
1837070000	PAP PDL4S	B.121
1837070000	PAP PDL4S	B.120
1837080000	PHP PDL SO	B.118
1837080000	PHP PDL SO	B.118
1837080000	PHP PDL SO	B.119
1837080000	PHP PDL SO	B.119
1837080000	PHP PDL SO	B.120
1837080000	PHP PDL SO	B.120
1837080000	PHP PDL SO	B.121
1837080000	PHP PDL SO	B.118
1837090000	PHP PDL	B.118
1837090000	PHP PDL	B.118
1837090000	PHP PDL	B.119
1837090000	PHP PDL	B.119
1837090000	PHP PDL	B.120
1837090000	PHP PDL	B.120
1837090000	PHP PDL	B.121
1837090000	PHP PDL	B.118
1839850000	WAP WDK 2.5N/TR-DU	A.232
1839850000	WAP WDK 2.5N/TR-DU	A.232
1839850000	WAP WDK 2.5N/TR-DU	A.233
1839850000	WAP WDK 2.5N/TR-DU	A.233

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1846030000	WPE 95N/120N	A.201
1846030000	WPE 95N/120N	B.10
1846040000	WPE 50N	A.199
1846040000	WPE 50N	B.9
1847600000	ZTA ZT2.5/ZZA	A.156
1847610000	PDL 4 S/L	B.118
1847620000	PDL 4 S/N	B.119
1847630000	PDL 4 S/N/L	B.119
1847740000	STB 36.8/H/DB WTL6/1	A.55
1847740000	STB 36.8/H/DB WTL6/1	B.48
1847740000	STB 36.8/H/DB WTL6/1	B.48
1847760000	STB 36.8/H/GE WTL6/1	A.52
1847760000	STB 36.8/H/GE WTL6/1	A.52
1847770000	STB 36.8/H/GN WTL6/1	A.52
1847770000	STB 36.8/H/GN WTL6/1	A.52
1847780000	STB 36.8/H/VI WTL6/1	A.52
1847780000	STB 36.8/H/VI WTL6/1	A.52
1847790000	STB 36.8/H/BL WTL6/1	A.52
1847790000	STB 36.8/H/BL WTL6/1	A.52
1848290000	TS 35X15/2.3 2M/AL/BK	C.19
1848330000	ZTPE 4/4AN/2	A.129
1848340000	ZP 4/1AN/1	A.126
1848340000	ZP 4/1AN/1	A.126
1848340000	ZP 4/1AN/1	A.137
1848350000	ZT 4/4AN/2	A.126
1848360000	ZAP/TW ZT4/4AN/2	A.126
1848480000	FEKO ZRV2.5 1.5-2.5	A.135
1848480000	FEKO ZRV2.5 1.5-2.5	A.135

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1852390000	SFX 10/23 MC NE WS V2	B.16
1852390000	SFX 10/23 MC NE WS V2	B.16
1852390000	SFX 10/23 MC NE WS V2	B.17
1852390000	SFX 10/23 MC NE WS V2	B.17
1854090000	WS 10/15 MC NE WS	A.153
1854490000	DEK 5/5 PLUS MC NE WS	A.12
1854750000	FEKO ZRV2.5 0.2-0.35	A.135
1854750000	FEKO ZRV2.5 0.2-0.35	A.135
1854760000	FEKO ZRV2.5 0.5-1	A.135
1854760000	FEKO ZRV2.5 0.5-1	A.135
1854960000	ZT 4/2AN/1	A.126
1854970000	ZTPE 4/2AN/1	A.129
1854980000	ZP 4/1AN/1 GN	A.137
1854990000	ZP 4/1AN/2	A.126
1854990000	ZP 4/1AN/2	A.126
1854990000	ZP 4/1AN/2	A.137
1855000000	ZP 4/1AN/3	A.126
1855000000	ZP 4/1AN/3	A.126
1855000000	ZP 4/1AN/3	A.137
1855010000	ZP 4/1AN/4	A.126
1855010000	ZP 4/1AN/4	A.126
1855020000	ZP 4/1AN/5	A.126
1855020000	ZP 4/1AN/5	A.126
1855020000	ZP 4/1AN/5	A.137
1855030000	ZP 4/1AN/6	A.126
1855030000	ZP 4/1AN/6	A.126
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1855040000	ZP 4/1AN/7	A.126
1855040000	ZP 4/1AN/7	A.137
1855050000	ZP 4/1AN/8	A.126
1855050000	ZP 4/1AN/8	A.126
1855050000	ZP 4/1AN/8	A.137
1855060000	ZP 4/1AN/9	A.126
1855060000	ZP 4/1AN/9	A.126
1855060000	ZP 4/1AN/9	A.137
1855070000	ZP 4/1AN/10	A.126
1855070000	ZP 4/1AN/10	A.126
1855070000	ZP 4/1AN/10	A.137
1855080000	ZP 4/1AN/11	A.137
1855090000	ZP 4/1AN/12	A.137
1855100000	ZP 4/1AN/13	A.137
1855110000	ZP 4/1AN/14	A.137
1855220000	ZAP/TW ZT4/2AN	A.126
1855220000	ZAP/TW ZT4/2AN	A.129
1855230000	ZAP/TW ZT4/2AN OR	A.126
1855230000	ZAP/TW ZT4/2AN OR	A.129
1855250000	ZVR ZP4	A.126
1855250000	ZVR ZP4	A.126
1855250000	ZVR ZP4	A.129
1855250000	ZVR ZP4	A.129
1855250000	ZVR ZP4	A.141
1855250000	ZVR ZP4	A.236
1855260000	ZZE ZP4	A.126
1855260000	ZZE ZP4	A.126
1855260000	ZZE ZP4	A.129
1855260000	ZZE ZP4	A.129
1855260000	ZZE ZP4	A.141
1855260000	ZZE ZP4	A.236
1855610000	WTR 2.5	A.224
1855620000	WTR 2.5 STB2.3	A.224
1856740000	DEK 5/8 MC NE WS	A.100
1856860000	KOSF ZT4	A.126
1856860000	KOSF ZT4	A.126
1856860000	KOSF ZT4	A.129
1856860000	KOSF ZT4	A.129
1856860000	KOSF ZT4	A.141
1856860000	KOSF ZT4	A.236
1859200000	WEW 35/5 GR 7042	C.21
1859200000	WEW 35/5 GR 7042	C.21
1859580000	WZAD 95N/120N	A.181
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1859600000	Q WDU6-2.5 SET	A.259
1859620000	Q WDU10-2.5 SET	A.259

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1861030000	ZAD ZT/ZPS2.5	A.140
1861040000	ZPS 2.5/1AN/QV/1	A.139
1861050000	ZPS 2.5/1AN/QV/1 GN	A.139
1865410000	RAHE LN WDT1.5	A.230
1865410000	RAHE LN WDT1.5	A.230
1865410000	RAHE LN WDT1.5	A.231
1865510000	ZTR 2.5	A.133
1865520000	ZAP/TW ZTR2.5	A.133
1865940000	ZPS 2.5/1AN/QV/8	A.142
1866070000	GHDE ZPS2.5/1AN	A.139
1866220000	ZZE ZP2.5/4	A.140
1866220000	ZZE ZP2.5/4	A.142
1866230000	ZZE ZP2.5/8	A.140
1866230000	ZZE ZP2.5/8	A.142
1866240000	ZVLA SC ZPS2.5	A.145
1866250000	ZVLA1 ZPS2.5	A.142
1866260000	ZVLA RC ZPS2.5	A.145
1866290000	TS 35X15/6X25 2M/ST/ZN	C.20
1866760000	Removal Tool AFK	A.135
1866760000	Removal Tool AFK	A.135
1867090000	ZP 2.5/1AN/2 GN/BE	A.136
1867100000	ZP 2.5/1AN/3 GN/BE	A.136
1867110000	ZP 2.5/1AN/4 GN/BE	A.136
1867120000	ZP 2.5/1AN/5 GN/BE	A.136
1867130000	ZP 2.5/1AN/6 GN/BE	A.136
1867140000	ZP 2.5/1AN/7 GN/BE	A.136
1867150000	ZP 2.5/1AN/8 GN/BE	A.136
1867160000	ZP 2.5/1AN/9 GN/BE	A.136
1867170000	ZP 2.5/1AN/10 GN/BE	A.136
1867180000	ZP 2.5/1AN/11 GN/BE	A.136
1867190000	ZP 2.5/1AN/12 GN/BE	A.136
1867200000	ZP 2.5/1AN/13 GN/BE	A.136
1867210000	ZP 2.5/1AN/14 GN/BE	A.136
1867220000	ZP 2.5/1AN/15 GN/BE	A.136
1867240000	ZP 2.5/1AN/17 GN/BE	A.136
1867420000	ZSI 2.5-2/2X2AN/G20/LD3	A.114
1867440000	ZSI 2.5-2/2X2AN/G20/LD1	A.114
1867500000	ZSI 6-2 2X2.5/G20/LD1	A.117
1868880000	SMSE WF10/2XMG	A.276

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1875190000	ZP 2.5/1AN ZA	A.138
1875200000	ZP 2.5/1AN ZA GN	A.138
1875210000	ZP 2.5/1AN ZA O.RA	A.138
1875220000	ZP 2.5/1AN ZA O.RA GN	A.138
1878560000	BEST/D	A.120
1878560000	BEST/D	A.120
1878560000	BEST/D	A.121
1878560000	BEST/D	A.121
1878560000	BEST/D	A.133
1878560000	BEST/D	A.224
1878560000	BEST/D	A.224
1878560000	BEST/D	A.225
1878560000	BEST/D	A.225
1878560000	BEST/D	A.226
1878560000	BEST/D	A.226
1878560000	BEST/D	A.227
1878560000	BEST/D	A.227
1878560000	BEST/D	A.232
1878560000	BEST/D	A.232
1878560000	BEST/D	A.233
1878560000	BEST/D	A.233
1878560000	BEST/D	A.46
1878560000	BEST/D	A.46
1878560000	BEST/D	A.47
1878560000	BEST/D	A.47
1878560000	BEST/D	A.47
1878560000	BEST/D	A.48
1878560000	BEST/D	A.48
1878560000	BEST/D	B.78
1878560000	BEST/D	B.79
1878560000	BEST/D	B.80
1878560000	BEST/D	B.80
1878560000	BEST/D	B.81
1878560000	BEST/D	B.82
1878560000	BEST/D	B.83
1878560000	BEST/D	B.83
1878570000	BEST/DRBR	A.120
1878570000	BEST/DRBR	A.120
1878570000	BEST/DRBR	A.121
1878570000	BEST/DRBR	A.121
1878570000	BEST/DRBR	A.133
1878570000	BEST/DRBR	A.224
1878570000	BEST/DRBR	A.224
1878570000	BEST/DRBR	A.225
1878570000	BEST/DRBR	A.225
1878570000	BEST/DRBR	A.226
1878570000	BEST/DRBR	A.226
1878570000	BEST/DRBR	A.227
1878570000	BEST/DRBR	A.227
1878570000	BEST/DRBR	A.232
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1878570000	BEST/DRBR	A.233
1878570000	BEST/DRBR	A.233
1878570000	BEST/DRBR	A.46
1878570000	BEST/DRBR	A.46
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1878570000	BEST/DRBR	A.47
1878570000	BEST/DRBR	A.48
1878570000	BEST/DRBR	A.48
1878570000	BEST/DRBR	B.78
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1878570000	BEST/DRBR	B.80
1878570000	BEST/DRBR	B.80
1878570000	BEST/DRBR	B.81
1878570000	BEST/DRBR	B.82
1878570000	BEST/DRBR	B.83
1878570000	BEST/DRBR	B.83
1878600000	ZVLA DF ZPS2.5	A.144
1878620000	ZVR ZPS2.5	A.140
1878620000	ZVR ZPS2.5	A.142
1879350000	WTA 4N/ZA WDK 2.5	A.261
1879730000	ZSI 2.5-2/2X2AN/G20/LD4	A.114
1879750000	ZSI 6-2 2X2.5/G20/LD4	A.117

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1880100000	ESG 6/15 K MC NE WS	A.212
1880100000	ESG 6/15 K MC NE WS	A.212
1880390000	WSI 4/2/LD 140-250V AC/DC	A.205
1880410000	WSI 4/2/LD 10-36V AC/DC	A.205
1880420000	WSI 4/2/LD 60-150V AC/DC	A.205
1880430000	WSI 4/2	A.205
1880440000	WSI 4/2/LD 30-70V AC/DC	A.205
1880450000	WAP WS14/2	A.205
1881640000	WAP WTL4/2	B.56
1881650000	WTL 4/2 STB	B.56
1882590000	PDL 4/L/PE	B.117
1882600000	PDL 4/L/PE	B.117
1882610000	PDL 4/L/PE	B.117
1883210000	PAP PDL4	B.116
1883210000	PAP PDL4	B.116
1883210000	PAP PDL4	B.117
1883210000	PAP PDL4	B.117
1883210000	PAP PDL4	B.117

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1905470000	ZTTR 2.5 0.TNHE	A.133
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1905950000	WS 10/8 PLUS MC NE WS	A.10
1905950000	WS 10/8 PLUS MC NE WS	A.17
1905950000	WS 10/8 PLUS MC NE WS	A.17
1905950000	WS 10/8 PLUS MC NE WS	A.31
1905950000	WS 10/8 PLUS MC NE WS	A.32
1905950000	WS 10/8 PLUS MC NE WS	A.32
1905950000	WS 10/8 PLUS MC NE WS	A.39
1905950000	WS 10/8 PLUS MC NE WS	A.40
1905950000	WS 10/8 PLUS MC NE WS	A.44
1905950000	WS 10/8 PLUS MC NE WS	B.114
1905970000	WS 10/12 MC NE WS	A.177
1905970000	WS 10/12 MC NE WS	A.41
1905970000	WS 10/12 MC NE WS	B.106
1905970000	WS 10/12 MC NE WS	B.113
1905970000	WS 10/12 MC NE WS	B.115
1906000000	WS 12/8 PLUS MC NE WS	A.172
1906000000	WS 12/8 PLUS MC NE WS	A.33
1906000000	WS 12/8 PLUS MC NE WS	A.33
1906000000	WS 12/8 PLUS MC NE WS	B.112
1906000000	WS 12/8 PLUS MC NE WS	B.57
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1906000000	WS 12/8 PLUS MC NE WS	B.57
1906000000	WS 12/8 PLUS MC NE WS	B.58
1906000000	WS 12/8 PLUS MC NE WS	B.59
1906000000	WS 12/8 PLUS MC NE WS	B.59
1906210000	ZDV 6N/2	A.50
1906220000	ZDV 6N/3	A.50
1906220000	ZDV 6N/3	B.114
1906230000	ZDV 6N/4	A.50
1906230000	ZDV 6N/4	B.114
1906240000	ZDV 6N/20	A.50
1906960000	ZRV 2.5/1	A.135
1906970000	ZRV 2.5/2	A.135
1906980000	AP ZRV2.5	A.135
1906980000	AP ZRV2.5	A.135
1907000000	STGH ZRV2.5	A.135
1907000000	STGH ZRV2.5	A.135
1907010000	STGH 0.ZA ZRV2.5	A.135
1907010000	STGH 0.ZA ZRV2.5	A.135
1907520000	DEK 5/5 PLUS MC NE GE	A.104
1908550000	BA ZPS2.5	A.145
1908560000	BA RC ZPS2.5	A.145
1908960000	ZQV 2.5/20	A.154
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1908960000	ZQV 2.5/20	B.114
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1908990000	ZQV 6/24 GE	A.155
1909000000	ZQV 2.5N/20 GE	A.254
1909010000	ZQV 4/20 GE	A.154
1909020000	ZQV 4N/20 GE	A.254
1909100000	ZQV 4N/20 BL	A.254
1909120000	ZQV 4N/20 SW	A.254
1909110000	ZQV 2.5N/20 RT	A.254
1909130000	ZQV 2.5N/20 SW	A.254
1909140000	ZQV 2.5N/20 BL	A.254
1909150000	ZQV 4N/20 RT	A.254

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1915450000	WTA 8 TN	B.56
1915480000	WTA 8 KO-TN	A.261
1916150000	PAD 2.5/4/4	A.30
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1916150000	PAD 2.5/4/4	A.31
1916150000	PAD 2.5/4/4	A.34
1916150000	PAD 2.5/4/4	A.34
1916150000	PAD 2.5/4/4	A.35
1916150000	PAD 2.5/4/4	A.35
1916150000	PAD 2.5/4/4	A.35
1916150000	PAD 2.5/4/4	A.38
1916150000	PAD 2.5/4/4	A.38
1916150000	PAD 2.5/4/4	A.39
1916150000	PAD 2.5/4/4	A.42
1916150000	PAD 2.5/4/4	A.51
1916160000	PAD 6/10/4	A.31
1916160000	PAD 6/10/4	A.32
1916160000	PAD 6/10/4	A.32
1916160000	PAD 6/10/4	A.39
1916160000	PAD 6/10/4	A.40
1916160000	PAD 6/10/4	A.51
1916170000	PAD 16/4	A.33
1916170000	PAD 16/4	A.33
1916170000	PAD 16/4	A.41
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1916170000	PAD 16/4	B.112
1916170000	PAD 16/4	B.113
1916180000	PTA PDU2.5/4	A.51
1916190000	PTA ZA PDU2.5/4	A.51
1916400000	PRH 2.5/4/2	A.30
1916400000	PRH 2.5/4/2	A.30
1916400000	PRH 2.5/4/2	A.31
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1916400000	PRH 2.5/4/2	A.34

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1916400000	PRH 2.5/4/2	A.39
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1916400000	PRH 2.5/4/2	A.51
1916410000	PRH 2.5/4/1	A.30
1916410000	PRH 2.5/4/1	A.30
1916410000	PRH 2.5/4/1	A.31
1916410000	PRH 2.5/4/1	A.31
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1916410000	PRH 2.5/4/1	A.39
1916410000	PRH 2.5/4/1	A.42
1916410000	PRH 2.5/4/1	A.51
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1918680000	PKD 2.5/4V BL	A.34
1918710000	PKD 2.5/4 PE	A.42
1918720000	PKD 2.5/4/PE	A.35
1918730000	PKD 2.5/4V	A.34
1918740000	PKD 2.5/4N-L	A.35
1918750000	PKD 2.5/4N-PE	A.35
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1918780000	PEI 16	A.33
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1919690000	PHP PNT16 SO	B.115
1919710000	PHP PNT 6/10 SO	B.114
1919720000	PAP PDK 2.5/4	A.34
1919720000	PAP PDK 2.5/4	A.34
1919720000	PAP PDK 2.5/4	A.35
1919720000	PAP PDK 2.5/4	A.35
1919720000	PAP PDK 2.5/4	A.35
1919720000	PAP PDK 2.5/4	A.42

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1924460000	ZDK 2.5/3AN DU-PE	A.89
1924470000	ZDK 2.5/3AN PE	A.106
1924480000	ZDK 2.5/3AN V BL	A.88
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1924510000	ZDK 2.5/3AN	A.88
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1924910000	ZAP/TW ZDK 2.5/3AN	A.88
1924910000	ZAP/TW ZDK 2.5/3AN	A.89

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1933700000	ZDU 2.5N	A.72
1933710000	ZDU 2.5N BL	A.72
1933720000	ZDU 2.5N/3AN	A.72
1933730000	ZDU 2.5N/3AN BL	A.72
1933740000	ZDU 2.5N/4AN	A.73
1933750000	ZDU 2.5N/4AN BL	A.73
1933760000	ZPE 2.5N	A.102
1933770000	ZPE 2.5N/3AN	A.102
1933780000	ZPE 2.5N/4AN	A.103
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.102
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.72
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.102
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.72
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.103
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.73
1933890000	PTR 2.5/4/4AN 0.TNHE	A.48
1933910000	PTR 2.5/4 0.TNHE	A.46
1933930000	PTR 2.5/4/3AN BL	A.47
1933940000	PTR 2.5/4/4AN	A.47
1933950000	PTR 2.5/4	A.46
1933970000	PTR 2.5/4 BL	A.46
1933980000	PTR 2.5/4/3AN	A.47
1933990000	PTR 2.5/4/3AN 0.TNHE	A.47
1934000000	PTR 2.5/4/4AN BL	A.47
1934160000	ZAD 9/4	A.104
1934160000	ZAD 9/4	A.72
1934160000	ZAD 9/4	A.73
1934160000	ZAD 9/4	A.88
1934160000	ZAD 9/4	A.88
1934160000	ZAD 9/4	A.89
1934680000	PAP PTR2.5/4	A.46
1934680000	PAP PTR2.5/4	A.46
1934690000	PAP PTR2.5/4/3AN	A.47
1934690000	PAP PTR2.5/4/3AN	A.47
1934700000	PAP PTR2.5/4/4AN	A.47
1934700000	PAP PTR2.5/4/4AN	A.47
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1934800000	WTQ 6/1 EN STB	B.57
1934810000	WTL 6/1 EN	A.52

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1934820000	WTL 6/1 EN STB	B.57
1934830000	WTD 6/1 EN	A.52
1934830000	WTD 6/1 EN	A.52
1934830000	WTD 6/1 EN	B.57
1936140000	WKS 2/2	A.52
1936140000	WKS 2/2	A.52
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1936150000	WKS 2/3	B.58
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1936160000	WKS 2/4	B.58
1936240000	STB 21.6/45 GE	A.52
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1936240000	STB 21.6/45 GE	A.55
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1936240000	STB 21.6/45 GE	B.48
1936240000	STB 21.6/45 GE	B.57
1936240000	STB 21.6/45 GE	B.57
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1936240000	STB 21.6/45 GE	B.58
1936250000	STB 21.6/45 GN	A.52
1936250000	STB 21.6/45 GN	A.55
1936250000	STB 21.6/45 GN	B.48
1936250000	STB 21.6/45 GN	B.48
1936250000	STB 21.6/45 GN	B.48
1936250000	STB 21.6/45 GN	B.57
1936250000	STB 21.6/45 GN	B.57
1936260000	STB 21.6/45 VI	A.52
1936260000	STB 21.6/45 VI	A.55
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1936260000	STB 21.6/45 VI	B.48
1936270000	STB 21.6/45 SW	A.52
1936270000	STB 21.6/45 SW	A.52
1936270000	STB 21.6/45 SW	A.55
1936280000	STB 21.6/45 GR	A.55
1936290000	STB 21.6/45 BL	A.55
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1936290000	STB 21.6/45 BL	B.57
1936290000	STB 21.6/45 BL	B.57
1936290000	STB 21.6/45 BL	B.58
1936300000	STB 21.6/45 RT	A.55
1936790000	STB 21.6/45 DB	A.55
1938820000	WTL 6/1 STB/TNSC/EN	B.58

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1943600000	BLZP 5.08HC/04/180 SN OR BX	A.240
1943620000	BLZP 5.08HC/06/180 SN OR BX	A.240
1943640000	BLZP 5.08HC/08/180 SN OR BX	A.240
1944110000	BLZP 5.08HC/04/180F SN OR BX	A.240
1944130000	BLZP 5.08HC/06/180F SN OR BX	A.240
1944150000	BLZP 5.08HC/08/180F SN OR BX	A.240
1948000000	BLZP 5.08HC/02/90 SN OR BX	B.84
1948020000	BLZP 5.08HC/04/90 SN OR BX	B.84
1948060000	BLZP 5.08HC/08/90 SN OR BX	B.84
1948110000	BLZP 5.08HC/12/90 SN OR BX	B.84
1948150000	BLZP 5.08HC/16/90 SN OR BX	B.84
1948240000	BLZP 5.08HC/02/90 SN BK BX	B.84
1948260000	BLZP 5.08HC/04/90 SN BK BX	B.84
1948300000	BLZP 5.08HC/08/90 SN BK BX	B.84
1948340000	BLZP 5.08HC/12/90 SN BK BX	B.84
1948380000	BLZP 5.08HC/16/90 SN BK BX	B.84
1949800000	BLZP 5.08HC/02/90F SN OR BX	B.85
1949820000	BLZP 5.08HC/04/90F SN OR BX	B.85
1949860000	BLZP 5.08HC/08/90F SN OR BX	B.85
1949900000	BLZP 5.08HC/12/90F SN OR BX	B.85
1949940000	BLZP 5.08HC/16/90F SN OR BX	B.85

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1950040000	BLZP 5.08HC/02/90F SN BK BX	B.85
1950060000	BLZP 5.08HC/04/90F SN BK BX	B.85
1950100000	BLZP 5.08HC/08/90F SN BK BX	B.85
1950140000	BLZP 5.08HC/12/90F SN BK BX	B.85
1950180000	BLZP 5.08HC/16/90F SN BK BX	B.85
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2007160000	WS 8/6 MM WS	A.86
2007160000	WS 8/6 MM WS	A.86
2007160000	WS 8/6 MM WS	A.9
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2007160000	WS 8/6 MM WS	B.105
2007170000	WS 8/8 MM WS	A.100
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2007170000	WS 8/8 MM WS	A.172
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2012420000	STB 14/06/4/M3 SAK10	B.57
2012420000	STB 14/06/4/M3 SAK10	B.58

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2051210000	A2C 4 BL	A.8
2051360000	A2C 4 PE	A.16
2051500000	A4C 4	A.9
2051520000	A4C 4 BL	A.9
2051560000	A4C 4 PE	A.16
2051680000	AEP 2C 4	A.16
2051680000	AEP 2C 4	A.8
2051690000	AEP 2C 4 BL	A.8
2051900000	AEP 4C 4	A.16
2051900000	AEP 4C 4	A.9
2051910000	AEP 4C 4 BL	A.9

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2065120000	ALD 6 BL	A.11
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2080360000	AMG ELM-6	B.40
2080410000	AMG ELM-12	B.41
2080420000	AMG ELM-1F	B.38
2080480000	AMG ELM-2F	B.38
2080490000	AMG ELM-4F	B.38
2080500000	AMG ELM-6F	B.38
2080600000	AMG ELM-8F	B.39
2080650000	AMG ELM-10F	B.39
2081870000	AMG FIM-0	B.36
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2122930000	AMG MD	B.38
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2122930000	AMG MD	B.44
2122940000	AMG XMD	B.38
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2123050000	AMG DIS	B.38
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2123050000	AMG DIS	B.41
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2318670000	ZE ZRV2.5	A.135
2318670000	ZE ZRV2.5	A.135

## 2420000000

2429520000	WDU 2.5 GE/SW	B.105
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2436360000	WTR 4/ZZ STB/0.TNHE	A.226
2436380000	WTR 4/0.TNHE	A.225
2436390000	WTR 4 STB/0.TNHE	A.225
2436400000	WTR 4/ZR/0.TNHE	A.227
2436410000	WTR 4/ZR STB/0.TNHE	A.227
2436420000	WTR 4/ZZ/0.TNHE	A.226

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2448860000	DEK-A 5/8 MM WS	A.10
2448930000	WS-A 8/8 MM WS	A.10
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2448930000	WS-A 8/8 MM WS	B.28
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2448930000	WS-A 8/8 MM WS	B.30

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2457570000	APGLE 2.5	A.25
2457580000	APGSR 2.5	A.25
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2457600000	APGSR 2.5/8	A.25

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