IEC Contactors

SIRIUS 3RT10 3-Pole with AC Coil

Ordering Information	Coil Voltage Codes**					
4-point AC Coil can be wired on top, bottom, or diagonally.	ACV 60Hz	ACV 50Hz	Code			
Direct mount 3RU11 overload relays to create starters.	24	24	C20			
Snap-on auxiliary contacts, surge suppressors, and timers.	120	110	K6			
Front and side mount auxiliary contacts available on 3RT102, 3RT103, 3RT104 versions.	208	208	M2			
	240	220	P6			
3RT102 9A and 12A versions have extended electrical life compared to 3RT101 versions.	277		U6			
 Overload Relays see pages 254–265. 	480		V6			
Accessories see pages 238–245.	600		T6			
Replacement Parts see page 882.	AND DOWN THE REAL PROPERTY OF	Replace the ** in the contactor catalog number with				
Technical Data see pages 347.	a coil code from	the table above.				

Dimensions see pages 369–376.

	Enclo Amp F	sed Ratings	Single HP Rat	-Phase ings	Three-				nree-Phase HP Ratings			Auxiliary Contacts Screw Terminals				Cage Clamp Termi	
Illustration	AC3	UL	115V	230V	200V	230V	460V	575V	NO	NC	Catalog No	Price \$	Catalog No	Price			
(Straining)	3RT10	3RT101															
and a state of the	-		14	2.				-	1		3RT1015-1A**1	- 55.	3RT1015-2A**1				
Int	7	20	1/4	3/4	1½	2	3	5	_	1	3RT1015-1A**2	- 55.	3RT1015-2A**2	60.			
00000			14				-	-14	1	-	3RT1016-1A**1		3RT1016-2A**1				
3RT101	9	20	1/3	1	2	3	5	71/2	_	1	3RT1016-1A**2	72.	3RT1016-2A**2	77.			
DETO!									1	-	3RT1017-1A**1		3RT1017-2A**1				
2 2 4	12	20	1/2	2	3	3	71/2	10	-	1	3RT1017-1A**2	- 89.	3RT1017-2A**2	94.			
西西西西	3RT10	2						-	-			1		-			
000	9	35	1/3	1	2	3	5	71/2	-		3RT1023-1A**0	81.	3RT1023-3A**0	84.			
3RT102	12	35	1/2	2	3	3	71/2	10	-	_	3RT1024-1A**0	105.	3RT1024-3A**0	108.			
	17	35	1	3	5	5	10	15	-	-	3RT1025-1A**0	121.	3RT1025-3A**0	124.			
0 0 0	25	35	2	3	71/2	7½	15	20	-	_	3RT1026-1A**0	136.	3RT1026-3A**0	139.			
0000	3RT10	3										1		_			
0.0.0	28	35	2	5	71/2	10	20	25	-	_	3RT1033-1A**0	156.	3RT1033-3A**0	159.			
3RT103	32	45	2	5	10	10	25	30	-	-	3RT1034-1A**0	172.	3RT1034-3A**0	175.			
State 1	40	55	3	71/2	10	15	30	40	-	_	3RT1035-1A**0	191.	3RT1035-3A**0	194.			
	50	50	3	10	15	15	40	50	-	-	3RT1036-1A**0	206.	3RT1036-3A**0	209.			
	3RT10	4		1					-								
0000	65	90	5	15	20	25	50	60	-	2	3RT1044-1A**0	291.	3RT1044-3A**0	294.			
	80	105	71/2	15	25	30	60	75	_	-	3RT1045-1A**0	331.	3RT1045-3A**0	334.			
3RT104	95	105	10	_	30	30	75	100	_	_	3RT1046-1A**0	453.	3RT1046-3A**0	456.			

①For 3RT101 use B0.

IEC Control

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General Information

North American Approvals

INSTALLATION CONSIDERATIONS

The control products described in this catalog have been designed, tested and manufactured in accordance with a wide variety of standards including but not limited to those issued by UL, CSA, NEMA and IEC. These standards typically apply to the control product as a component and not the installation or use of the product. It is the responsibility of the end user of the control product to make sure each installation complies with all of the applicable safety requirements, laws, regulations, codes and standards (some examples of which are the N.E.C., the C.E.C. and OSHA regulations). Note that local authorities may impose further jurisdiction over each installation. When in doubt, consult with the local inspection authorities.

Unless otherwise specified, the control products described in this catalog are designed to operate under "usual service conditions" as defined in NEMA Standards Publication— Part ICS 1-108. Open type devices are intended for installation in enclosures that provide environmental protection as needed for the specific application. See pages 14 and 15 for definitions of the various enclosure types.

PERFORMANCE DATA

Where given in this catalog, performance data should only be used as a guide to determine the suitability of the product for an application. The data may be the result of accelerated testing or elevated stress levels under controlled conditions. The user must take care in correlating this data to actual application or service conditions.

UL and CSA—File Numbers and Guide Card Numbers

Most control equipment listed in this catalog is designed, manufactured and tested in accordance with the relevant UL and CSA standards as listed in the table below.

0. D 10.	() ()		(4)		RI		
Siemens Brand Devices Description	Guide No	File No	Guide No	File No	Guide No	File No	
3TH2 Control Relays 3TH3 3TH8	Class 3211	LR 12730 LR 50487	NKCR	E 44653	NKCR2	E 44653	
AC contactors, DC contactors	Class 3211	LR 12730	NLDX	E 31519	NLDX2	E 31519	
Reversing Starters	Class 3211	LR 38590	NLDX	E 32529	-	_	
Overload relays	Class 3211	LR 12730	NKCR	E 44653	NKCR2	E 44653	
Terminal blocks	Class 3211	LR 50181	-		XCFR2	E 80027	
Manual Motor Controller 3VU	Class 3211	LR 50487	NLVR	E 47705	-		
Starters, Combination Starters	Class 3211	LR 38590	NLDX	E 32529	-		
Push buttons	Class 3211	LR 12730	NCXR	E 44653, E 47512	-	-	
Lighting and Heating Contactors	Class 3231	LR 38590	NRNT	E 60310	-	-	
Mechanical Limit Switches International Style North American Style	Class 3211 Class 3211	LR 50487 LR 68551	NKCR NKCR	E 44653 E 47512	NKCR2	E 44653	
Fast Bus Components/Kits	-		NMTR	E 155959	NMTR2	E 160776	
Modular Motor Controllers Type E	-	-	NKJH	E 156943	-		
Modular Motor Controllers—Group Installation	Class 3211	LR 50487	NLRV	E 47705	-	_	
US Series Starter	Class 3211	LR 38590	NLDX	E 32529		-	
Fraction Hp Starters, SMF, MMS		-	-	_	NLRV2	E 80332	
Sirius 3RT Contactors	Class 3211	LR 12730	NLDX	E 31519	NLDX2	_	
Sirius 3RV MSP—Group Installation	Class 3211	LR 12730	NLRV	E47705	-		
Type E	-	_	NKJH	E 156943	-		
Sirius 3RU Overload	Class 3211	LR 12730	NKCR	E 44653	NKCR2	E 44653	
Sirius 3RH Relays	Class 3211	LR 12730, LR50487	NKCR	E 44653	NKCR2	E 44653	
Sirius 3RP Timers	Class 3211	LR 12730	NKCR	E 44653	_		
Miniature Circuit Breakers—5SX	Class 3211	LR 93659	-	-	NKCR2	E 116386	
Manual Motor Controllers—3LD	Class 3211	LR 19188	NLRV	E 47705	-		
Sirius 3RA Combination Starters	-		NKJH	E 156943	-	-	
Sirius 3RA Reversing Contactors	Class 3211	LR 38590	NLDX	E 31519	-	_	
Sirius 3RA Fastbus Combo Starters			NKJH	E 156943			
Sirius 3RB Solid State Overloads	Class 3211	LR 6535	NKCR	E22655			

Furnas Brand Devices	() ()		(U)		91		
Class	Guide No	File No	Guide No	File No	Guide No	File No	
11, 12—Manual Switches	Class 3211	LR 6535	NLRV	E 10590	NLRV2	E 10590	
14, 22, 30, 40, 43—Starters and Contactors	Class 3211	LR 6535	NLDX	E 14900	NLDX2	E 14900	
17, 18, 25, 26, 32—Combination Starters	Class 3211	LR 6535	NKJH	E 185287	_	_	
36, 37—Reduced Voltage Starters	Class 3211	LR 6535	NLDX	E 14900	NLDX2	E 14900	
83, 84, 85, 87, 88—Pump Control Panels	Class 3211	LR 6535	NKJH	E 185287	-		
50—Standard Duty Pilot Devices	Class 3211	LR 6535	NKCR	E 22655	-		
51—Hazardous Location Pilot Devices	Class 3218	LR 23889	NOIV	E 39935	-	_	
52—30 mm Pilot Devices	Class 3211	LR 6535	NKCR	E 22655	NKCR2	E 22655	
16, 41, 42, 45-Definite Purpose Controls	Class 3211	LR 6535	_		NLDX2	E 14900	
46, 47— Relays	Class 3211	LR 6535	NKCR	E 22655	NKCR2	E 22655	
48, 948, 958—Overload Relays	Class 3211	LR 6535	NKCR	E 22655	NKCR2	E 22655	
49—Field Kits	Class 3211	ELR 535	NLDX	E 14900	NLDX2	E 14900	
Class 56—Fast Switch	Class 3211	LR 6535	NLRV	E 10590			
Class 53—Master Switch	Class 3211	LR 6535	NKCR	E 22655	-	-	
Class 69—Pressure Switch	Class 3211	LR 6535	NKPZ	E 14861	NKPZ2	E 14861	

Matchanical (bs Basic unit with monated auxiliary contract back axiliary contract back Operating participant 10 million sinitary smillion Image: Smillion Safe isolation interport of participant monated auxiliary contract back V 680 Safe isolation interport of participant monated auxiliary contract back V 680 Safe isolation interport of participant monated auxiliary contract back V 680 Participant monated auxiliary contract back V 680 Participant monated auxiliary contract back have no patheter divent contracts Y 480 Participant monated auxiliary contract back have no patheter divent contracts Smillion Y 480 Participant monated auxiliary contract back have no patheter divent contracts Smillion Smillion -250 + 400° -250 + 400° Participant monated auxiliary contract back have no patheter divent contracts A00 pfms 112,55 and 2400 Back creations A00 pfms 112,55 and 2400 -250 + 400° Conductor crease sections A00 pfms 112,55 and 2400 -251 be 400° State auxiliary contract back monated auxiliary contract back have no patheter divent contracts M00 2 × 112,52 and 2400° State auxiliary contract back monated auxiliary contract back have no patheter divent contracts mm² 2 × 112,52 and 400° S	Contactor	Туре	Unit of Measure	3RT102						
Rated instance V 690 Base instance biologic dipolation sevents 31 load: to DVRE DIP Rep 110 and A1 (Edri 2089) V 460 Pendisely driven contacts load: to DVRE DIP Rep 110 and A1 (Edri 2089) V 460 Pendisely driven contacts operation and montacts accurate block. The solid state compatible driven contacts The solid state compatible driven contact block. The solid state compatible driven contacts Pendisely driven contacts operation and montacts		Basic unit with mounted auxiliary contact block Basic unit with mounted solid state compatible		10 million						
Part to UVE 0109 Part 101 and A1 [draft 269] Y Pailweyl driven contacts Pensitely driven contacts remain and	Rated insulation voltage U; (pollution severity 3)		V	690						
Permissible ambient temperature operation -75 b + 60° C -13 b + 40° F Degree of protection according to EC 947-1 and DM 40 050 P20, 000 spatian P20 -55 b + 60° C -67 b + 10° F Stack resistance Restangular puble AC g/ms 105 card 35 n0 -67 b + 10° F Stack resistance Restangular puble AC g/ms 105 card 43 n0 -67 to + 10° F Stack resistance DC g/ms 105 card 43 n0 -75 to + 10° F -67 to + 10° F Stack resistance DC g/ms 105 card 43 n0 -75 to + 10° F -75 to + 10° F Conductor cross-sections The part and the of seve g/ms 125 g/ms 2 n0 to to 10° F -75 to + 10° F Conductor connection possibile) The part and the of seve g/ms 2 x 110 25 to 25 m 30 c. to EC 947; max 1 x 10 Stack residuator connection possibile Immini serves mm ² 2 x 10 25 to 25 m 30 c. to EC 947; max 1 x 10 Stack residuator connection graphed Immini serves mm ² 2 x 10 5 to 25 m 30 c. to EC 947; max 1 x 10 Conductor connection graphed The part and dwine of seve g/ms g/ms			V							
Permissible ambient temperature operation -25 to + 80°C -13 to + 140°F Degree of protection according to IEC 947.1 and DIN 40 050 Protection P2 could system IP 20 -67 to + 170°F Shock resistance Rectangular pulse AC g/ms 10,58 and 7,570 -67 to + 170°F Shock resistance DC g/ms 12,55 and 7,8710 -75 to + 80°C -67 to + 170°F Conductor cross-sections DC g/ms 12,55 and 7,8710 -15 to + 80°C -16 to + 170°F Conductor cross-sections Brain conductor g/ms 12,55 and 7,8710 -15 to + 80°C -16 to + 170°F Conductor cross-sections Main conductor g/ms 12,55 and 7,8710 -15 to + 80°C -16 to + 170°F Conductor cross-sections Main conductor g/ms 12,55 and 7,8710 -15 to + 80°C -16 to + 170°F Protections Section accounts Main conductor g/ms 2,41 (16 to 10) 2,41 (16 to 10) 2,41 (16 to 10) -16 to +170°F Protection Finely standed with and sleave mm² 2,40 (5 to 15,2 10 (10 to 2)) -20 (16 to 2) -20 (1	Positively driven contacts			and mounted auxiliary contact block. The solid state comp						
Degree of protection according to IEC 947-1 and DIN 40.050 Perturn DIN 40.050 Perturn DIN 40.050 Sheck resistance Rectangular pulse AC 00, prime 125, 56 and 75 r/10 0, prime 125, primprime 125, primprime 125, prime 125, prime 125, prime 125, prime	Permissible ambient temperature									
Shock resistanceBectangular pulsoAC DC g/ms $g/rsg/msg/25 and 49/10105 and 75/10125,5 and 75,10 and 75/10110,10100,10,10,10,10,10,10,10,10,10,10,10,10,$	Degree of protection according to IEC 947-1 and DIM	V 40 050								
Conductor cross-sections Main conductor: solid mm ² mm ² AWG conductor connections, solid or standed 2 × [1 to 25]; 2 × [2.5 × 6] acc. to IEC947; max 1 × 10 2 × [1 to 25]; 2 × [2.5 × 6] acc. to IEC947; max 1 × 10 2 × [1 to 10] Screw connections possible) Main conductor connections, solid or standed mm ² AWG 2 × [1 to 25]; 2 × [2.5 × 6] acc. to IEC947; max 1 × 10 2 × [1 to 10] Main conductor connections, solid Terminal screws Tightning torque Awdicer connections, solid mm ² Awdiery conductor: solid 2 u (0.5 to 15]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 1.5]; 2 u (0.75 to 2.5); acc (0.5 to 1.5]; 2 u (0.5 to 2.5); acc (0.5	Shock resistance	DC Sine pulse AC	g/ms g/ms	10/5 and 7.5/10 12.5/5 and 7.8/10						
Server connection (in 2 conductor connections possible) Main conductor: solid freely standed with end slewe AWG mm ² 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 25; 2 × 12.5 × 6) 2 × (1 to 15; 2 × 10.75 to 2.5) 2 × (1 to 15; 2 × 10.75 to 2.5) 2 × (1 to 15; 2 × 10.75 to 2.5) 2 × (1 to 15; 2 × 10.75 to 2.5) 2 × (1 to 15; 2 × 10.75 to 2.5) 2 × (1 to 10; 1 × 10, 1	Conductor cross-sections		<u> </u>	10/0 414 10/10						
Short-circuit protection of the 3RT1024 to 3RT1026 contactors without overload relays for export applicationsContactorType3RT1023/243RT10253RT1026Main circuitLV HRCType 3NAType 5SBType 5SBType 5SBType 5SEor miniature circuit breakers with C-characteristicsType of coord. "1" \textcircled{O} A6363100With fuses	(1 or 2 conductor connections possible) Cage Clamp connection (1 or 2 conductor connections possible) For conductor cross-sections ≤ 1 mm ² an "insulation	solid finely stranded with end sleeve AWG conductor connections, solid or stranded Terminal screws Tightening torque Auxiliary conductor: solid finely stranded with end sleeve AWG conductor connections, solid or stranded Terminal screws Tightening torque Auxiliary conductor: solid finely stranded with end sleeve finely stranded with end sleeve finely stranded with end sleeve AWG conductor connections,	mm ² AWG Nm (in lbs.) mm ² AWG Nm (in lbs.) mm ² mm ² mm ² mm ²	$2 \times (1 \text{ to } 2.5); 2 \times (2.5 \times 6) \text{ acc. to IEC947; max} 2 \times (14 \text{ to } 10) M4 (Pozidrive - size 2) 2.0 to 2.5 (18 to 22) 2 u (0.5 to 1.5); 2 u (0.75 to 2.5) acc. to IEC 947; max 2 u (0.75 to 4) 2 u (0.5 to 1.5); 2 u (0.75 to 2.5) 2 u (18 to 14) M3 0.8 to 1.2 (7 to 10.3) 2 × (0.5 to 2.5) 2$						
Main circuit Fuses, utilization category gL/gGLV HRC DIAZED NEOZEDType 3NA Type 5SB Type 5SB Type 5SEor miniature circuit breakers with C-characteristicsType of coord. "1" \odot Type of coord. "2" \odot Weld-freeA6363100With fuses - according to IEC 947-4/DIN VDE 0660 Part 102Type of coord. "1" \odot Type of coord. "2" \odot Weld-freeA6363100With miniature circuit-breakersType of coord. "2" \odot Weld-freeA252535Auxiliary circuit Fuses, utilization category gL/gG (weld-free runt th C-characteristic short circuit breaker with C-characteristic or miniature circuit breaker with C-characteristic NEOZEDDIAZED NEOZEDType 5SB Type 5SB T	Short-circuit protection of the 3RT1024 to 3RT102	26 contactors without overload relays for expo	rt applications							
Fuses, utilization category gL/gG LV HRC DIAZED NEOZED Type 3NA Type 5SB Type 5SB Type 5SB Type 5SE or miniature circuit breakers with C-characteristics Type of coord. "1" © A 25 25 35 40 100 100 16C 947-4/DIN VDE 0660 Part 102 Type of coord. "2" © A 25 25 35 40 100 16C 947 40 10 10 16 With miniature circuit-breakers Type of coord. "2" © A 25 25 35 100 16C 947 40 10 10 16 Type of coord. "2" © Coor	Contactor	Туре	3RT1023/24	3RT1025	3RT1026					
With fuses - according to IEC 947-4/DIN VDE 0660 Part 102Type of coord. "1" $^{\circ}$ A Type of coord. "2" $^{\circ}$ A Weld-freeA A63 A S563 C5 S5100 S5With miniature circuit-breakersA Weld-freeA A25 S525 S5 S2 S535 S5 S2 S5Auxiliary circuit Fuses, utilization category gL/gG (weld-free protection at $l_k \geq 1 \text{ KA}$) or miniature circuit breaker with C-characteristic (short circuit current $l_k \leq 400 \text{ A}$)DIAZED NEOZEDType 5SB Type 5SEType 5SB Type 5SEWith fuses, utilization category gL/gG NEOZEDNEOZEDA A1010With fuses, utilization category gL/gGNEOZEDA A1010	Fuses, utilization category gL/gG	DIAZED	Туре ЗNA Туре 5SB							
Auxiliary circuit Fuses, utilization category gL/gG (weld-free protection at k ≥ 1kA) or miniature circuit breaker with C-characteristic (short circuit current k <400 A)	With fuses – according to IEC 947-4/DIN VDE 0660 Part 102	Type of coord. "2" ⁽¹⁾ A Weld-free A	25 10	25 35 10 16						
	Auxiliary circuit Fuses, utilization category gL/gG (weld-free protection at $I_k \ge 1kA$) or miniature circuit breaker with C-characteristic	DIAZED	Type 5SB	43	52					
	With fuses, utilization category gL/gG									

OAccording to excerpt from IEC 947-4/DIN VDE 0660 Part 102:

Part 102: Type of coordination "1": Destruction of contactor and overload relay is permissible. Contactor and/or overload relay must be replaced, if necessary. Type of coordination "2": No damage can be tolerated on the overload relay, but contact welding on the contactor is permitted if the contacts can easily be separated.

IEC Contactors

SIRIUS 3RT102

Main Current - DC Load Ratings			1.20				12				
Contactor	Гуре	Unit of Measure	3RT10	023/24		3RT10	25		3RT10	26	
DC-1 duty,											
switching resistive load (L/R \leq 1 ms)											
	Number of conducting paths in series		1	2	3	1	2	3	1	2	3
Rated operational current /e (at 60°C/140°F)	up to 24V	A	35	35	35	35	35	35	35	35	35
	60V	A	20	35	35	20	35	35	20	35	35
	110V	A	4.5	35	35	4.5	35	35	4.5	35	35
	220V	A	11	5	35	1	5	35	1	5	35
	440V 600V	A	0.4	1 0.8	2.9	0.4	1 0.8	2.9	0.4	1 0.8	2.9
00.0	600V	A	0.25	0.8	1.4	0.25	0.8	1.4	0.25	0.8	1.4
DC-3 and DC-5 duty, shunt and series motors (L/R \leq 15 ms)											
shuffic and series motors (L/ $h \ge 15$ ms)	Number of conducting paths in series		1	2	3	1	2	3	1	2	3
Rated operational current <i>le</i> (at 60°C/140°F)	up to 24V	A	20	35	35	20	35	35	20	35	35
naleu operational current /e (at ou-c/ 140-r)	up to 24v 60V	A	5	35	35	5	35	35	5	35	35
	110V	A	2.5	15	35	2.5	15	35	2.5	15	35
	220V	A	1	3	10	1	3	10	1	3	10
	440V	A	0.09	0.27	0.6	0.09	0.27	0.6	0.09	0.27	0.6
	600V	A	0.06	0.16	0.6	0.06	0.16	0.6	0.06	0.16	0.6
Switching frequency											
Switching frequency z in operating cycles per hour	coil		AC		DC	AC		DC	AC		DC
Contactors without overload relay	No-load operating frequency	1/h	5000		1500	5000		1500	5000		1500
	coil		AC/DC			AC/DC	1		AC/DC		
Interdependence of operating frequency z'	at AC-1	1/h	1000			1000			1000		
on rated operational current and	at AC-2	1/h	1000			1000			750		
rated operational voltage:	at AC-3	1/h	1000			1000			750		
	at AC-4	1/h	300			300			250		
$z' = z \bullet \frac{I_e}{I'} \bullet \left(\frac{400 \text{ V}}{U'}\right)^{1.5} 1/h$											
Contactors with overload relay (average value)		1/h	15			15			15		
Permissible mounting position					ary	Sec.					
The contactors are designed for operation											
on vertical mounting surface.		360		22,5°	22,5°						
		4		X							



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Siemens Industrial Control Products