SIEMENS

Data sheet

6ES7132-6BF00-0BA0

SIMATIC ET 200SP, DIGITAL OUTPUT MODULE, DQ 8X24VDC/0,5A STANDARD, FITS TO BU-TYPE A0, COLOR CODE CC02, MODULE DIAGNOSIS



General information			
Product type designation	DQ 8x24 VDC/0.5 A ST		
Firmware version	V1.1		
 FW update possible 	Yes		
usable BaseUnits	BU type A0		
Color code for module-specific color identification plate	CC02		
Product function			
● I&M data	Yes; I&M0 to I&M3		
Engineering with			
 STEP 7 TIA Portal configurable/integrated as of version 	V11 SP2 / V13		
 STEP 7 configurable/integrated as of version 	V5.5 SP3 / -		
 PCS 7 configurable/integrated as of version 	V8.1 SP1		
 PROFIBUS as of GSD version/GSD revision 	GSD Revision 5		
 PROFINET as of GSD version/GSD revision 	GSDML V2.3		
Operating mode			
• DQ	Yes		
 DQ with energy-saving function 	No		

• PWM	No			
Oversampling	No			
• MSO	No			
Redundancy				
Redundancy capability	Yes			
0				
Supply voltage Rated value (DC)	24 V			
permissible range, lower limit (DC)	24 V 19.2 V			
permissible range, upper limit (DC)	19.2 V 28.8 V			
Reverse polarity protection	Yes			
Treverse polarity protection	163			
Input current				
Current consumption, max.	35 mA; without load			
Output voltage				
Rated value (DC)	24 V			
Power loss	430			
Power loss, typ.	1 W			
Address area				
Address space per module				
Address space per module, max.	1 byte; + 1 byte for QI information			
Hardware configuration				
Hardware configuration Automatic encoding				
	Yes			
Mechanical coding element	Yes			
Mechanical coding element Selection of BaseUnit for connection variants				
 Mechanical coding element Selection of BaseUnit for connection variants 1-wire connection 	BU type A0			
 Mechanical coding element Selection of BaseUnit for connection variants 1-wire connection 2-wire connection 	BU type A0 BU type A0			
 Mechanical coding element Selection of BaseUnit for connection variants 1-wire connection 2-wire connection 3-wire connection 	BU type A0 BU type A0 BU type A0 with AUX terminals			
 Mechanical coding element Selection of BaseUnit for connection variants 1-wire connection 2-wire connection 	BU type A0 BU type A0			
Mechanical coding element Selection of BaseUnit for connection variants 1-wire connection 2-wire connection 3-wire connection 4-wire connection Digital outputs	BU type A0 BU type A0 BU type A0 with AUX terminals No			
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• lower limit	48 Ω			
	12 kΩ			
• upper limit	12 \(\Chi_2\)			
Output current	0.5 A			
• for signal "1" rated value				
• for signal "0" residual current, max.	0.1 mA			
Output delay with resistive load				
• "0" to "1", max.	50 μs; at rated load			
• "1" to "0", max.	100 μs; at rated load			
Parallel switching of two outputs				
• for uprating	No			
 for redundant control of a load 	Yes			
Switching frequency				
with resistive load, max.	100 Hz			
with inductive load, max.	2 Hz			
● on lamp load, max.	10 Hz			
Total current of the outputs				
Current per channel, max.	0.5 A			
 Current per module, max. 	4 A			
Total current of the outputs (per module)				
horizontal installation				
— up to 60 °C, max.	4 A			
vertical installation				
— up to 50 °C, max.	4 A			
Cable length				
• shielded, max.	1 000 m			
• unshielded, max.	600 m			
Isochronous mode	No			
Isochronous operation (application synchronized up to terminal)	No			
Interrupts/diagnostics/status information				
Diagnostics function	Yes			
Substitute values connectable	Yes			
Alarms				
Diagnostic alarm	Yes			
Diagnostic messages				
Monitoring the supply voltage	Yes			
Wire-break	Yes; Module-wise			
Short-circuit	Yes; Module-wise			
Group error	Yes			
Diagnostics indication LED				
Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED			

• Channel status display

Yes; Green LED

• for channel diagnostics

No

• for module diagnostics

Yes; green/red DIAG LED

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Potential separation channels

• between the channels

• between the channels and backplane bus

No Yes

Isolation tested with 707 V DC (type test)

Width 15 mm

Height 73 mm Depth 58 mm

10/13/2017 last modified: