SIEMENS

Data sheet

6ES7132-6BF01-0BA0

REAL SIEMENS

SIMATIC ET 200SP, Digital output module, DQ 8x 24V DC/0,5A Standard, Source output (PNP,P-switching) Packing unit: 1 piece, fits to BU-type A0, Colour Code CC02, substitute value output, module diagnostics for: short-circuit to L+ and ground, wire break, supply voltage

General information	
Product type designation	DQ 8x24VDC/0.5A ST
HW functional status	From FS02
Firmware version	V0.0
 FW update possible 	No
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
 Isochronous mode 	No
Engineering with	
 STEP 7 TIA Portal configurable/integrated as of version 	V14
 STEP 7 configurable/integrated as of version 	V5.5 SP3 or higher
 PCS 7 configurable/integrated as of version 	V8.1 SP1
 PROFIBUS as of GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
 PROFINET as of GSD version/GSD revision 	GSDML V2.3
Operating mode	

	X
• DQ	Yes
 DQ with energy-saving function 	No
• PWM	No
Oversampling	No
• MSO	No
Redundancy	
 Redundancy capability 	Yes
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
Current consumption, max.	35 mA; without load
Output voltage	
Rated value (DC)	24 V
Power loss	
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	
Automatic encoding	Yes
 Mechanical coding element 	Yes
Selection of BaseUnit for connection variants	
• 1-wire connection	BU type A0
• 2-wire connection	BU type A0
3-wire connection	BU type A0 with AUX terminals or potential distributor module
• 4-wire connection	BU type A0 + Potential isolation module
Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	8
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes
Short-circuit protection Response threshold, typ. 	Yes 1 A
Response threshold, typ.	1 A
Response threshold, typ. Limitation of inductive shutdown voltage to	1 A Typ. L+ (-50 V)

 on lamp load, max. 	5 W	
Load resistance range		
lower limit	48 Ω	
• upper limit	12 kΩ	
Output voltage		
• for signal "1", min.	L+ (-0.8 V)	
Output current		
 for signal "1" rated value 	0.5 A	
 for signal "1" permissible range, max. 	0.5 A	
 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 30 °C, max.	4 A	
— up to 40 °C, max.	4 A	
— up to 50 °C, max.	4 A	
— up to 60 °C, max.	4 A	
vertical installation		
— up to 30 °C, max.	4 A	
— up to 40 °C, max.	4 A	
— up to 50 °C, max.	4 A	
Cable length		
• shielded, max.	1 000 m	
• unshielded, max.	600 m	
Interrupts/diagnostics/status information		
Diagnostics function	Yes	
Substitute values connectable	Yes	
Alarms		
Diagnostic alarm	Yes	

• Monitoring the supply voltage Yes • Wire-break Yes; Module-wise • Short-circuit to I Yes; Module-wise • Short-circuit to I.+ Yes; Module-wise • Group error Yes; Green PWR LED • Monitoring of the supply voltage (PWR-LED) Yes; green PWR LED • Channel status display Yes; green PWR LED • for module diagnostics No • for module diagnostics No • between the channels No • between the channels and backplane bus Yes • between the channels and the power supply of the electronics No Standards_approvals_certificates Standards_approvals_certificates Suitab	Diagnostic messages	
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Width 15 mm Height 73 mm	Dimensions	
		15 mm
	Height	73 mm
		58 mm
Weights	Weights	
Weight, approx. 30 g		30 g

last modified: