SIEMENS

Data sheet

6ES7132-6FD00-0BB1



SIMATIC ET 200SP, digital output module, DQ 4x 24..230V AC/2A Standard suitable for BU type B1, Color code CC41, Module diagnostics

General information	
Product type designation	DQ 4x24 230 V AC/2 A ST
HW functional status	From FS05
Firmware version	V1.0
FW update possible	Yes
usable BaseUnits	BU type B1
Color code for module-specific color identification plate	CC41
Product function	
• I&M data	Yes; I&M0 to I&M3
• Isochronous mode	No
Engineering with	
STEP 7 TIA Portal configurable/integrated from version	V13 / V13
 STEP 7 configurable/integrated from version 	V5.5 SP3 / -
 PROFIBUS from GSD version/GSD revision 	GSD Revision 5
 PROFINET from GSD version/GSD revision 	GSDML V2.3
Operating mode	
• DQ	Yes
DQ with energy-saving function	No
• PWM	No
Oversampling	No
• MSO	No
Supply voltage	
Rated value (AC)	230 V
permissible range, lower limit (AC)	20.4 V
permissible range, upper limit (AC)	264 V
Input current	
Current consumption (rated value)	11.5 mA
output voltage / header	
Rated value (AC)	230 V; 24V AC to 230V AC
Power loss	
Power loss, typ.	9 W; Active power, load voltage 230 V, all outputs loaded with 2 A, 50 Hz
Address area	
Address space per module	
Address space per module, max.	1 byte; + 1 byte for QI information
• Inputs	1 byte; With QI
Outputs	1 byte
Hardware configuration	
Automatic encoding	
Type of mechanical coding element	type C
Digital outputs	

Tuno of digital output	Trice with zero point date ties
Type of digital output	Triac with zero point detection
Number of digital outputs	4
Current-sinking	No
Current-sourcing	Yes
Digital outputs, parameterizable	No N
Short-circuit protection	No; When using BU type B1, a miniature, quick-response fuse with 10 A tripping current must be provided
Controlling a digital input	Yes
Size of motor starters according to NEMA, max.	5
Switching capacity of the outputs	
 with resistive load, max. 	2 A
on lamp load, max.	100 W
Output voltage	
• for signal "1", min.	20.4 V
Output current	
for signal "1" rated value	2 A
for signal "1" permissible range, min.	10 mA
for signal "1" permissible range, max.	2 A
for signal "0" residual current, max.	460 μA
Output delay with resistive load	
• "0" to "1", max.	10 ms
• "1" to "0", max.	10 ms
Parallel switching of two outputs	
• for logic links	No
• for uprating	No
for redundant control of a load	Yes
Switching frequency	
 with resistive load, max. 	10 Hz
with inductive load, max.	0.5 Hz; Higher frequencies are possible, see Equipment Manual / Product Information
on lamp load, max.	1 Hz
Total current of the outputs	
 Current per channel, max. 	2 A
Current per module, max.	8 A
Total current of the outputs (per module)	
horizontal installation	
— up to 40 °C, max.	8 A
— up to 50 °C, max.	6 A
— up to 60 °C, max.	4 A
vertical installation	
— up to 30 °C, max.	8 A
— up to 40 °C, max.	6 A
— up to 50 °C, max.	4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
nterrupts/diagnostics/status information	
	N
Diagnostics function	No
Diagnostics function Substitute values connectable	Yes
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Substitute values connectable	
Substitute values connectable Alarms	Yes
Substitute values connectable Alarms • Diagnostic alarm	Yes
Substitute values connectable Alarms • Diagnostic alarm Diagnoses	Yes No
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage	Yes No
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage • Wire-break	Yes No No No
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit	Yes No No No No
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit • Group error	Yes No No No No
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit • Group error Diagnostics indication LED • Monitoring of the supply voltage (PWR-LED)	Yes No No No No Yes Yes; green PWR LED
Substitute values connectable Alarms • Diagnostic alarm Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit • Group error Diagnostics indication LED	Yes No No No No Yes

Potential separation		
Potential separation channels		
 between the channels 	No	
 between the channels and backplane bus 	Yes	
 between the channels and the power supply of the electronics 	No	
Isolation		
Isolation tested with	2 545 V DC/2 s (routine test)	
Standards, approvals, certificates		
Suitable for safety functions	No	
Ambient conditions		
Ambient temperature during operation		
 horizontal installation, min. 	-30 °C	
 horizontal installation, max. 	60 °C	
 vertical installation, min. 	-30 °C	
vertical installation, max.	60 °C	
Altitude during operation relating to sea level		
 Installation altitude above sea level, max. 	2 000 m; On request: Installation altitudes greater than 2 000 m	
Dimensions		
Width	20 mm	
Height	73 mm	
Depth	58 mm	
Weights		
Weight, approx.	50 g	

last modified:

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