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 detection
Type of digital output	Triac with zero point detection
Number of digital outputs	4
Current-sinking	No Y
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	
Diagnostics function	No
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	No
Diagnoses	
 Monitoring the supply voltage 	No
Wire-break	No
	No
Short-circuit	NO
Short-circuitGroup error	Yes
Group error	
Group error Diagnostics indication LED	Yes
Group error Diagnostics indication LED Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED

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:

8/16/2023