## **SIEMENS**

## **Data sheet**

## 6ES7132-6FD00-2BB1



SIMATIC ET 200SP, digital output module, DQ 4x 24..230V AC/2A Standard Pack quantity: 10 units, suitable for BU type B1, Color code CC41, Module diagnostics

Figure similar

50.4.04.000.4.07
DQ 4x24 230 V AC/2 A ST
From FS05
V1.0
Yes
BU type B1
CC41
Yes; I&M0 to I&M3
No
V13 / V13
V5.5 SP3 / -
GSD Revision 5
GSDML V2.3
Yes
No
No
No
No
230 V
20.4 V
264 V
11.5 mA
230 V; 24V AC to 230V AC
9 W; Active power, load voltage 230 V, all outputs loaded with 2 A, 50 Hz
1 byte; + 1 byte for QI information
1 byte; With QI
1 byte
type C

Selection of BaseUnit for connection variants	
1-wire connection	BU type B1
2-wire connection	BU type B1
3-wire connection	BU type B1
4-wire connection	BU type B1 + potential distributor module
Digital outputs	Bo type B1 - potential distributor module
Type of digital output	Triac with zero point detection
Number of digital outputs	4
Current-sinking	No
Current-sourcing	Yes
Digital outputs, parameterizable	No
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	
<ul><li>with resistive load, max.</li></ul>	2 A
● on lamp load, max.	100 W
Output voltage	
● for signal "1", min.	20.4 V
Output current	
<ul><li>for signal "1" rated value</li></ul>	2 A
<ul><li>for signal "1" permissible range, min.</li></ul>	10 mA
<ul><li>for signal "1" permissible range, max.</li></ul>	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	40.11
<ul><li>with resistive load, max.</li><li>with inductive load, max.</li></ul>	10 Hz 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
Interrupts/diagnostics/status information	
Diagnostics function	No
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	No
Diagnoses	
Monitoring the supply voltage	No
Wire-break	No

Group error	Yes
Diagnostics indication LED	
<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes; green PWR LED
Channel status display	Yes; green LED
<ul> <li>for channel diagnostics</li> </ul>	No
<ul> <li>for module diagnostics</li> </ul>	Yes; green/red DIAG LED
Potential separation	
Potential separation channels	
<ul> <li>between the channels</li> </ul>	No
<ul> <li>between the channels and backplane bus</li> </ul>	Yes
<ul> <li>between the channels and the power supply of the electronics</li> </ul>	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	
<ul> <li>horizontal installation, min.</li> </ul>	-30 °C
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-30 °C
vertical installation, max.	60 °C
Altitude during operation relating to sea level	
<ul> <li>Installation altitude above sea level, max.</li> </ul>	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

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