## **SIEMENS**

## Data sheet

## 6ES7132-6BF00-0AA0

SIMATIC ET 200SP, digital output module, DQ 8x 24VDC/0.5A Basic, Pack quantity: 1 unit, suitable for BU type A0, Color code CC02



General information	
Product type designation	DQ 8x24 VDC/0.5 A BA
Firmware version	V1.0
<ul> <li>FW update possible</li> </ul>	Yes
usable BaseUnits	BU type A0
Color code for module-specific color identification	CC02
plate	
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
<ul> <li>STEP 7 TIA Portal configurable/integrated as of</li> </ul>	V13 SP1 / -
version	
<ul> <li>STEP 7 configurable/integrated as of version</li> </ul>	V5.5 SP3 / -
<ul> <li>PROFIBUS as of GSD version/GSD revision</li> </ul>	GSD Revision 5
<ul> <li>PROFINET as of GSD version/GSD revision</li> </ul>	GSDML V2.3
Operating mode	
• DQ	Yes
<ul> <li>DQ with energy-saving function</li> </ul>	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.	45 mA; without load
Output voltage	
Rated value (DC)	24 V
Power loss	4 \\
Power loss, typ.	1 W
Address area	
Address space per module	
<ul> <li>Address space per module, max.</li> </ul>	1 byte
Hardware configuration	
Automatic encoding	
<ul> <li>Mechanical coding element</li> </ul>	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
• 4-wire connection	No
Digital outputs Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	8
Current-sinking	No
Current-sourcing	Yes
Short-circuit protection	Yes; per channel, electronic
<ul> <li>Response threshold, typ.</li> </ul>	0.7 to 1.3 A
Limitation of inductive shutdown voltage to	Typ. L+ (-53 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
• with resistive load, max.	0.5 A
• on lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω

• upper limit	100 kΩ
Output current	
for signal "1" rated value	0.5 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	1 mA
Output delay with resistive load	
• "0" to "1", max.	100 μs; at rated load
• "1" to "0", max.	150 µs; at rated load
Parallel switching of two outputs	
for uprating	No
<ul> <li>for upraving</li> <li>for redundant control of a load</li> </ul>	Yes; per module
Switching frequency	
	100 Hz
with resistive load, max.	2 Hz
• with inductive load, max.	10 Hz
• on lamp load, max.	10 H2
Total current of the outputs	0.5.4
• 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	
Isochronous operation (application synchronized up	No
to terminal)	
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
<ul> <li>Monitoring the supply voltage</li> </ul>	Yes
• Wire-break	No
Short-circuit	No
Group error	Yes
Diagnostics indication LED	
<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes; green PWR LED
<ul> <li>Channel status display</li> </ul>	Yes; Green LED
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<ul><li>for channel diagnostics</li><li>for module diagnostics</li></ul>	No 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
Isolation	
Isolation tested with	707 V DC (type test)
Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	28 g
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