## SIEMENS

## Data sheet

## 6ES7132-6BF61-0AA0



SIMATIC ET 200SP, Digital output module, DQ 8x 24V DC/0,5A Sink Basic, Sink output (NPN, M-switching), Packing unit: 1 piece, fits to BUtype A0, Colour Code CC01, substitute value output, module diagnostics for: supply voltage

General information		
Product type designation	DQ 8x24VDC/0,5A SNK BA	
HW functional status	From FS02	
Firmware version	V0.0	
<ul> <li>FW update possible</li> </ul>	No	
usable BaseUnits	BU type A0	
Color code for module-specific color identification plate	CC01	
Product function		
<ul> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3	
Isochronous mode	No	
Engineering with		
<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	V14	
<ul> <li>STEP 7 configurable/integrated from version</li> </ul>	V5.5 SP3	
<ul> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	One GSD file each, Revision 3 and 5 and higher	
<ul> <li>PROFINET from 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	
<ul> <li>Oversampling</li> </ul>	No	
• MSO	No	
Redundancy		
<ul> <li>Redundancy capability</li> </ul>	Yes	
Supply voltage		
Rated value (DC)	24 V	
permissible range, lower limit (DC)	19.2 V	
permissible range, upper limit (DC)	28.8 V	
output voltage / header		
Rated value (DC)	24 V	
Power loss		
Power loss, typ.	1.5 W	
Address area		
Address space per module		
Outputs	1 byte	
Hardware configuration		
Automatic encoding	Yes	
<ul> <li>Mechanical coding element</li> </ul>	Yes	
<ul> <li>Type of mechanical coding element</li> </ul>	type B	

Digital outputs	
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	8
Current-sinking	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes
Response threshold, typ.	1.5 A
Limitation of inductive shutdown voltage to	Typ. 47 V
Controlling a digital input	Yes
Switching capacity of the outputs	
• with resistive load, max.	0.5 A
<ul> <li>on lamp load, max.</li> </ul>	5 W
Load resistance range	
lower limit	48 Ω
• upper limit	3 400 Ω
Output current	
● for signal "1" rated value	0.5 A
<ul> <li>for signal "1" permissible range, max.</li> </ul>	0.5 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	5 μΑ
Output delay with resistive load	
• "0" to "1", max.	300 µs
• "1" to "0", max.	600 µs
Parallel switching of two outputs	
for uprating	No
<ul> <li>for redundant control of a load</li> </ul>	Yes
Switching frequency	
• with resistive load, max.	100 Hz
<ul> <li>with inductive load, max.</li> </ul>	0.5 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 60 °C, max.	4 A
vertical installation	
— up to 50 °C, max.	4 A
Cable length	
<ul> <li>shielded, max.</li> </ul>	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
	Yes
Diagnostics function Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Voo
	Yes
Diagnoses	Vos
Diagnoses <ul> <li>Monitoring the supply voltage</li> </ul>	Yes
Diagnoses <ul> <li>Monitoring the supply voltage</li> <li>Wire-break</li> </ul>	No
Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit	No No
Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit • Group error	No
Diagnoses • Monitoring the supply voltage • Wire-break • Short-circuit • Group error Diagnostics indication LED	No No Yes
Diagnoses   Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)	No No Yes Yes; green PWR LED
Diagnoses  Monitoring the supply voltage Wire-break Short-circuit Group error Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display	No No Yes Yes; green PWR LED Yes; green LED
Diagnoses   Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics	No No Yes Yes; green PWR LED Yes; green LED No
Diagnoses   Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics  for module diagnostics	No No Yes Yes; green PWR LED Yes; green LED
Diagnoses   Monitoring the supply voltage  Wire-break  Short-circuit  Group error  Diagnostics indication LED  Monitoring of the supply voltage (PWR-LED)  Channel status display  for channel diagnostics  for module diagnostics  Potential separation	No No Yes Yes; green PWR LED Yes; green LED No
Diagnoses         • Monitoring the supply voltage         • Wire-break         • Short-circuit         • Group error         Diagnostics indication LED         • Monitoring of the supply voltage (PWR-LED)         • Channel status display         • for channel diagnostics         • for module diagnostics         • for module diagnostics         • for channel status         • Potential separation	No No Yes Yes; green PWR LED Yes; green LED No Yes; green/red DIAG LED
Diagnoses  Monitoring the supply voltage Wire-break Short-circuit Group error Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Fotential separation	No No Yes Yes; green PWR LED Yes; green LED No

Isolation		
Isolation tested with	707 V DC (type test)	
Standards, approvals, certificates		
Suitable for safety functions	No	
Ambient conditions		
Ambient temperature during operation		
<ul> <li>horizontal installation, min.</li> </ul>	-25 °C	
<ul> <li>horizontal installation, max.</li> </ul>	60 °C	
<ul> <li>vertical installation, min.</li> </ul>	-25 °C	
<ul> <li>vertical installation, max.</li> </ul>	50 °C	
Altitude during operation relating to sea level		
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual	
Dimensions	_	
Width	15 mm	
Height	73 mm	
Depth	58 mm	
Weights		
Weight, approx.	30 g	
last modified:	9/1/2021 🖸	