## SIEMENS

## Data sheet

## 6ES7136-6DC00-0CA0



SIMATIC DP, Electronics module ET 200SP, F-DQ 8XDC 24V0.5A PP, 15 mm width, up to PL E (ISO 13849) up to SIL 3 (IEC 61508)

General information	
Product type designation F-	-DQ 8x24 V DC/0.5 A PP HF
Firmware version	
• FW update possible Ye	/es
usable BaseUnits BI	3U type A0
Color code for module-specific color identification plate	CC02
Product function	
• I&M data Ye	es; I&M0 to I&M3
Engineering with	
• STEP 7 TIA Portal configurable/integrated from V version	/14 SP1 with HSP 202
STEP 7 configurable/integrated from version     V	(5.5 SP4 HF5
PROFINET from GSD version/GSD revision     V2	/2.31
Supply voltage	
	4 V
permissible range, lower limit (DC) 19	9.2 V
	8.8 V
Reverse polarity protection Ye	/es
power supply according to NEC Class 2 required No	lo
Input current	
Current consumption (rated value) 75	5 mA; without load
Current consumption, max. 21	1 mA; From the backplane bus
output voltage / header	
Rated value (DC) 24	4 V
Power	
Power available from the backplane bus 70	0 mW
Power loss	
Power loss, typ. 3	W
Address area	
Address space per module	
• Inputs 6	byte; 5 bytes non-RIOforFA; 6 bytes RIOforFA
• Outputs 6	byte; 5 bytes non-RIOforFA; 6 bytes RIOforFA
Hardware configuration	
Automatic encoding Ye	/es
Electronic coding element type F     Ye	'es
Digital outputs	
Type of digital output Tr	ransistor
Number of digital outputs 8	
Digital outputs, parameterizable Ye	'es
Short-circuit protection Ye	/es

Response threshold, typ.	Min. 0.7 A
Open-circuit detection	No
Limitation of inductive shutdown voltage to	Тур39 V
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul> <li>with resistive load, max.</li> </ul>	0.5 A
<ul> <li>on lamp load, max.</li> </ul>	2 W
Load resistance range	
lower limit	48 Ω
upper limit	12 000 Ω
Output voltage	
● for signal "1", min.	24 V; L+ (-0.5 V)
Output current	
<ul> <li>for signal "1" rated value</li> </ul>	0.5 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	0.5 mA
Switching frequency	
<ul> <li>with resistive load, max.</li> </ul>	30 Hz; Symmetrical
<ul> <li>with inductive load, max.</li> </ul>	0.1 Hz; according to IEC 60947-5-1, DC-13, symmetrical
<ul> <li>with capacitive load, max.</li> </ul>	2 Hz; Symmetrical
<ul> <li>on lamp load, max.</li> </ul>	10 Hz; Symmetrical
Total current of the outputs	
Current per channel, max.	0.5 A; note derating data in the manual
<ul> <li>Current per module, max.</li> </ul>	3 A; note derating data in the manual
Total current of the outputs (per module)	
horizontal installation	
— up to 40 °C, max.	3 A
— up to 50 °C, max.	2.5 A
— up to 60 °C, max.	2 A
vertical installation	
— up to 50 °C, max.	2 A
Cable length	
• shielded, max.	100 m
• unshielded, max.	100 m
• unshielded, max.	100 m
unshielded, max. Interrupts/diagnostics/status information	
unshielded, max. Interrupts/diagnostics/status information Diagnostics function	Yes
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• unshielded, max. Interrupts/diagnostics/status information Diagnostics function Substitute values connectable Alarms     • Diagnostic alarm Diagnostics indication LED     • RUN LED	Yes No Yes Yes; green LED
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unshielded, max. Interrupts/diagnostics/status information Diagnostics function Substitute values connectable Alarms      Diagnostic alarm Diagnostics indication LED      RUN LED      ERROR LED      Monitoring of the supply voltage (PWR-LED)      Channel status display	Yes No Yes Yes; green LED Yes; red LED Yes; green PWR LED Yes; green LED
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accordance with SIL3

Ambient conditions	
Ambient temperature during operation	
<ul> <li>horizontal installation, min.</li> </ul>	0°0
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	0°0
<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>	4 000 m; with derating
Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	48 g

last modified:

7/19/2022 🖸