## **SIEMENS**

## **Data sheet**

6ES7132-6HD01-2BB1



SIMATIC ET 200SP, Relay module, RQ NO 4x 120V DC..230VAC/5A ST. 4 normally open contacts, isolated contacts, packing unit: 10 pieces, fits to BU-type B0 and B1, Colour Code CC40, substitute value output, module diagnostics for: supply voltage

RQ 4x120 VDC 230 VAC/5 A NO ST
RQ 4X120 VDC 230 VAC/3 A NO 31
From FS02
V0.0
No
BU type B0, B1
tification plate CC40
Yes; I&M0 to I&M3
No
egrated from V14
m version V5.5 SP3
version V8.1 SP1
One GSD file each, Revision 3 and 5 and higher
revision GSDML V2.3
Yes
No
No
No
No
Yes
24 V
19.2 V
28.8 V
Yes
55 mA; without load
230 V
1.5 W
+ 1 byte for QI information
Yes No No No No Yes  24 V  19.2 V  28.8 V  Yes  55 mA; without load

<ul> <li>Outputs</li> </ul>	1 byte
Hardware configuration	,
Automatic encoding	Yes
Mechanical coding element	Yes
Type of mechanical coding element	type C
Selection of BaseUnit for connection variants	ιμου <b>σ</b>
2-wire connection	BU type B1
3-wire connection	BU type B0
Digital outputs	50 9,00 50
	Polave
Type of digital output  Number of digital outputs	Relays 4
Current-sinking	Yes
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	No
Parallel switching of two outputs	
• for logic links	Yes
• for uprating	No
for redundant control of a load	Yes
Switching frequency	
with resistive load, max.	2 Hz
with inductive load, max.	0.5 Hz
• on lamp load, max.	2 Hz
Total current of the outputs	
Current per channel, max.	5 A
Current per module, max.	20 A
Total current of the outputs (per module)	
horizontal installation	
— up to 50 °C, max.	20 A
— up to 60 °C, max.	16 A
vertical installation	
— up to 40 °C, max.	20 A
— up to 50 °C, max.	16 A
Relay outputs	
Number of relay outputs	4
<ul> <li>Rated supply voltage of relay coil L+ (DC)</li> </ul>	24 V
<ul> <li>Current consumption of relays (coil current of all relays), max.</li> </ul>	40 mA
<ul> <li>external protection for relay outputs</li> </ul>	Yes, with 6A
<ul> <li>Number of operating cycles, max.</li> </ul>	7 000 000; see additional description in the manual
Switching capacity of contacts	
— with inductive load, max.	2 A; see additional description in the manual
— with resistive load, max.	5 A; see additional description in the manual
<ul> <li>Thermal continuous current, max.</li> </ul>	5 A; Max. 1 385 VA, 150 W
<ul><li>— Switching current, min.</li></ul>	100 mA; 5 V DC
<ul> <li>Rated switching voltage (DC)</li> </ul>	24 V DC to 120 V DC
Rated switching voltage (AC)	24V AC to 230V AC
Cable length	
• shielded, max.	1 000 m
<ul><li>unshielded, max.</li></ul>	200 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
Monitoring the supply voltage	Yes
Wire-break	No
Short-circuit	No
Diagnostics indication LED	

<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes; green PWR LED
	Yes; green LED
<ul><li>Channel status display</li><li>for channel diagnostics</li></ul>	No
-	
• for module diagnostics	Yes; green/red DIAG LED
Potential separation	
Potential separation channels	
• between the channels	Yes
<ul> <li>between the channels and backplane bus</li> </ul>	Yes
between the channels and the power supply of the electronics	Yes
Permissible potential difference	
between channels and backplane bus/supply voltage	240 V AC
Isolation	
Isolation tested with	2 500 V DC (type test)
tested with	
<ul> <li>between channels and backplane bus/supply voltage</li> </ul>	2 500 V DC
<ul> <li>between backplane bus and supply voltage</li> </ul>	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>	-30 °C
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-30 °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>	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.	40 g

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last modified: