SIEMENS

Data sheet

6ES7132-6HD01-0BB1

SIMATIC ET 200SP, Relay module, RQ NO 4x 120V DC..230VAC/5A ST. 4 normally open contacts, isolated contacts, packing unit: 1 piece, fits to BU-type B0 and B1, Colour Code CC40, substitute value output, module diagnostics for: supply voltage



General information	
Product type designation	RQ 4x120 VDC 230 VAC/5 A NO ST
HW functional status	From FS02
Firmware version	V0.0
• FW update possible	No
usable BaseUnits	BU type B0, B1
Color code for module-specific color identification plate	CC40
Product function	
● I&M data	Yes; I&M0 to I&M3
 Isochronous mode 	No
Engineering with	
 STEP 7 TIA Portal configurable/integrated as of version 	V14
 STEP 7 configurable/integrated as of version 	V5.5 SP3
 PCS 7 configurable/integrated as of version 	V8.1 SP1
 PROFIBUS as of GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
 PROFINET as of GSD version/GSD revision 	GSDML V2.3
Operating mode	

• DQYes• DQ with energy-saving functionNo• PWMNo• OversamplingNo• MSONo• Redundancy capabilityYes	
PWM No Oversampling MSO No Redundancy	
Oversampling MSO Redundancy	
MSO No Redundancy	
Redundancy	
Redundancy canability Ves	
- Requiridancy capability	
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 55 mA; without load	
Output voltage	
Rated value (AC) 230 V	
Power loss	
Power loss, typ. 1.5 W	
	_
Address area Address space per module	
Inputs + 1 byte for QI information	
Outputs 1 byte	
Hardware configuration	
Automatic encoding Yes	
Mechanical coding element Yes	
Digital outputs	
Type of digital output Relays	
Number of digital outputs 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	
Switching frequency	

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	
 Rated supply voltage of relay coil L+ (DC) 	24 V	
 Current consumption of relays (coil current of all relays), max. 	40 mA	
 external protection for relay outputs 	Yes, with miniature fuse max. 6 A tripping current and quick- response tripping characteristic	
 Number of operating cycles, max. 	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	
— Thermal continuous current, max.	5 A; Max. 1 385 VA, 150 W	
— Switching current, min.	100 mA; 5 V DC	
— Rated switching voltage (DC)	24 V DC to 120 V DC	
— Rated switching voltage (AC)	24V AC to 230V AC	
Cable length		
• shielded, max.	1 000 m	
• unshielded, max.	200 m	
Interrupts/diagnostics/status information		
Diagnostics function	Yes	
Substitute values connectable	Yes	
Alarms		
Diagnostic alarm	Yes	
Diagnostic messages		
 Monitoring the supply voltage 	Yes	
• Wire-break	No	
Short-circuit	No	
Diagnostics indication LED		
 Monitoring of the supply voltage (PWR-LED) 	Yes; green PWR LED	
 Channel status display 	Yes; green LED	
 for channel diagnostics 	No	
 for module diagnostics 	Yes; green/red DIAG LED	

Potential separation	
Potential separation channels	
• between the channels	Yes
 between the channels and backplane bus 	Yes
 between the channels and the power supply of 	Yes
the electronics	
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	
 between channels and backplane bus/supply 	2 500 V DC
voltage	
 between backplane bus and supply voltage 	707 V DC (type test)
Standards, approvals, certificates	
Suitable for safety functions	No
Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-30 °C
 horizontal installation, max. 	60 °C
• vertical installation, min.	-30 °C
 vertical installation, max. 	50 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	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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