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

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 from version 	V14
 STEP 7 configurable/integrated from version 	V5.5 SP3
 PCS 7 configurable/integrated from version 	V8.1 SP1
 PROFIBUS from GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
PROFINET from GSD version/GSD revision	GSDML V2.3
Operating mode	
• DQ	Yes
 DQ with energy-saving function 	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 (rated value)	55 mA; without load
Output voltage	
Rated value (AC)	230 V
Power loss	
Power loss, typ.	1.5 W

Address space per module	
• Inputs	+ 1 byte for QI information
Outputs	1 byte
	i byte
Hardware configuration	Voc
Automatic encoding	Yes
Mechanical coding element Transfer and artists a discrete and artists are also artists and artists and artists are also artists	Yes
Type of mechanical coding element	type C
Selection of BaseUnit for connection variants	PILL PL
• 2-wire connection	BU type B1
3-wire connection	BU type B0
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	
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
 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 6A
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
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Alarms • Diagnostic glarm	Yes
Diagnostic alarm	1 03
Diagnoses	

 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 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		
 between channels and backplane bus/supply voltage 	2 500 V DC	
 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	

1/16/2021

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