

SIMATIC ET 200SP, SIGNAL RELAY CHANGE OVER, RQ
4X24VDC/2A CO ST, FITS TO BU-TYPE A0, COLOR CODE CC00,
MODULE DIAGNOSIS



General information	
Product type designation	RQ 4x24VUC/2A CO ST
Firmware version	V1.0
FW update possible	Yes
usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC00
Product function	
I&M data	Yes; I&M0 to I&M3
Engineering with	
STEP 7 TIA Portal configurable/integrated as of version	V13 / V13
STEP 7 configurable/integrated as of version	V5.5 SP3 / -
PROFIBUS as of GSD version/GSD revision	GSD Revision 5
PROFINET as of GSD version/GSD revision	GSDML V2.3
Operating mode	
DQ	Yes
DQ with energy-saving function	No
PWM	No

- Oversampling
- MSO

No

No

Supply voltage

Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V

Input current

Current consumption (rated value)	50 mA
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Power loss

Power loss, typ.	1.2 W
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Address area

Address space per module	
• Address space per module, max.	1 byte; + 1 byte for QI information
• Inputs	1 byte; With QI
• Outputs	1 byte

Digital outputs

Number of digital outputs	4
Short-circuit protection	No

Switching frequency

• with resistive load, max.	2 Hz
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Total current of the outputs

• Current per channel, max.	2 A
• Current per module, max.	8 A

Total current of the outputs (per module)

horizontal installation	
— up to 60 °C, max.	8 A
vertical installation	
— up to 60 °C, max.	8 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

Switching capacity of contacts

— with resistive load, max.	2 A
— Thermal continuous current, max.	2 A
— Switching current, min.	1 mA; 5 V DC
— Rated switching voltage (DC)	24 V
— Rated switching voltage (AC)	24 V

Cable length

- shielded, max.
- unshielded, max.

1 000 m

200 m

Isochronous mode

Isochronous operation (application synchronized up to terminal)

No

Interrupts/diagnostics/status information

Diagnostics

Yes

Substitute values connectable

Yes

Alarms

- Diagnostic alarm

Yes

Diagnostic messages

- Monitoring the supply voltage
- Wire-break
- Short-circuit
- Group error

Yes

No

No

Yes

Diagnostics indication LED

- Monitoring of the supply voltage (PWR-LED)
- Channel status display
- for channel diagnostics
- for module diagnostics

Yes; green PWR LED

Yes; Green LED

No

Yes; green/red DIAG LED

Potential separation

Potential separation channels

- between the channels
- between the channels and backplane bus
- between the channels and the power supply of the electronics

Yes

Yes

Yes

Permissible potential difference

between different circuits

75 V DC/60 V AC (base isolation)

Isolation

Isolation tested with

707 V DC (type test)

Dimensions

Width

15 mm

Weights

Weight, approx.

30 g

last modified:

14.05.2016