

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
- Input 1 byte; With QI
- Output 1 byte

Digital outputs

Number of digital outputs	4
Short-circuit protection	No

Switching frequency

- with resistive load, max. 2 Hz

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. 1 000 m
- unshielded, max. 200 m

Isochronous mode

Isochronous operation (application synchronized up to terminal)	No
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Interrupts/diagnostics/status information

Substitute values connectable	Yes
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Alarms

- Diagnostic alarm Yes

Diagnostic messages

- Diagnostics Yes
- Monitoring the supply voltage Yes
- Wire-break No
- Short-circuit No
- Group error Yes

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 different circuits	75 V DC/60 V AC (base isolation)
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Isolation

Isolation tested with	707 V DC (type test)
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Dimensions

Width	15 mm
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Weights

Weight, approx.	30 g
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last modified: 12.09.2015