



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

Product type designation	
General information	
Usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC00
Product function	
• I&M data	Yes
Engineering with	
• STEP 7 TIA Portal can be configured/integrated as of version	V13 / V13
• STEP 7 can be configured/integrated as of version	V5.5 SP3 / -
• PROFIBUS as of GSD version/GSD revision	GSD Revision 5
• PROFINET as of GSD version/GSD revision	V2.3 / -
Operating mode	
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
Power losses	
Power loss, typ.	1.2 W

Address area		
Address space per module		
<ul style="list-style-type: none">Address space per module, max.	1 byte; + 1 byte for QI information	
Digital outputs		
Switching capacity of the outputs		
Load resistance range		
Output voltage		
Output current		
Output delay with resistive load		
Parallel switching of 2 outputs		
<ul style="list-style-type: none">for increased power	No	
Switching frequency		
<ul style="list-style-type: none">with resistive load, max.	2 Hz	
Aggregate current of the outputs		
<ul style="list-style-type: none">Max. current per module	8 A	
Aggregate current of outputs (per group)		
horizontal installation		
vertical installation		
Total current of the outputs (per module)		
horizontal installation		
vertical installation		
Output current per channel		
horizontal installation		
vertical installation		
Relay outputs		
<ul style="list-style-type: none">Number of relay outputs	4	
<ul style="list-style-type: none">Rated input voltage of relay coil L+ (DC)	24 V	
<ul style="list-style-type: none">Current consumption of relays (coil current of all relays), max.	40 mA	
Switching capacity of contacts		
<ul style="list-style-type: none">with resistive load, max.	2 A	
<ul style="list-style-type: none">Thermal continuous current, max.	2 A	
<ul style="list-style-type: none">Contact rating, min.	1 mA	
<ul style="list-style-type: none">rated switching voltage (DC)	24 V	
<ul style="list-style-type: none">rated switching voltage (AC)	24 V	
Triac outputs		
Cable length		
<ul style="list-style-type: none">Cable length, shielded, max.	1 000 m	
<ul style="list-style-type: none">Cable length unshielded, max.	200 m	
Interrupts/diagnostics/status information		
Substitute values connectable	Yes	

Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• Monitoring the supply voltage	Yes
Diagnostics indication LED	
• Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
• Channel status display	Yes; Green LED
• for module diagnostics	Yes; green/red DIAG LED
Galvanic isolation	
Electrical isolation channels	
• between the channels	Yes
• between the channels and the backplane bus	Yes
• between the channels and the supply voltage of the electronics	Yes
Permissible potential difference	
between different circuits	75 V DC/60 V AC (base isolation)
Isolation	
Isolation checked with	707 V DC (type test)
tested with	
Ambient conditions	
Operating temperature	
Extended ambient conditions	
Relative humidity	
Resistance	
Connection method	
ET-Connection	
Dimensions	
Width	15 mm
Weights	
Weight, approx.	30 g
last modified:	01.12.2014