



SIMATIC ET 200SP,
RELAY MODULE NORMALLY OPEN,
RQ 4X120VDC..230VAC/5A STANDARD FITS TO BU-TYPE
B0,
COLOR CODE CC00, MODULE DIAGNOSIS

General information	
usable BaseUnits	BU type B0
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	V12 SP1 / 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	V2.3 / -
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, max.	100 mA ; without load
Power loss	
Power loss, typ.	1.5 W

Address area	
Address space per module	
Address space per module, max.	1 byte ; + 1 byte for QI information
Digital outputs	
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	
Max. current per module	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
Switching capacity of contacts	
Thermal continuous current, max.	5 A
Cable length	
Cable length, shielded, max.	1000 m
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 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	
Galvanic 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)
between backplane bus and supply voltage	60V AC/75V DC
Ambient conditions	
Operating temperature	
horizontal installation, min.	0 °C
horizontal installation, max.	60 °C
vertical installation, min.	0 °C
vertical installation, max.	50 °C
Dimensions	
Width	20 mm
Weights	
Weight, approx.	40 g
Status	Aug 4, 2014