

\*\*\*Spare part\*\*\* SIPLUS ET 200SP -40...+70 °C with conformal coating based on 6ES7132-6HD00-0BB0 . relay module normally open, RQ 4x 120VDC..230V AC/5A standard suitable for BU type B0, Color code CC00, Module diagnostics



Figure similar

General information	
Product type designation	RQ 4x120 VDC ... 230 VAC/5 A NO ST
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
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	
• 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
Switching capacity of contacts	
— Thermal continuous current, max.	5 A
Cable length	
• shielded, max.	1 000 m
• 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
Potential separation	
Potential separation channels	
• between the channels	Yes

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

Yes

Yes

### Permissible potential difference

between channels and backplane bus/supply voltage	240 V AC
between backplane bus and supply voltage	75 V DC/60 V AC

### Isolation

Isolation tested with 2 500 V DC (type test)

tested with

- between channels and backplane bus/supply voltage 2500 V DC
- between backplane bus and supply voltage 500 V DC

### Ambient conditions

Ambient temperature during operation

- horizontal installation, min. -40 °C; = Tmin; Startup @ -25 °C
- horizontal installation, max. 70 °C; = Tmax; > +60 °C max. continuous current per relay 3 A, max. total current module 12 A
- vertical installation, min. -40 °C; = Tmin; Startup @ -25 °C
- vertical installation, max. 50 °C

Altitude during operation relating to sea level

- Ambient air temperature-barometric pressure-altitude Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)

Relative humidity

- With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation/frost (no commissioning under condensation conditions)

Resistance

Use in stationary industrial systems

- to biologically active substances according to EN 60721-3-3 Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
- to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
- to mechanically active substances according to EN 60721-3-3 Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!

### Dimensions

Width 20 mm

### Weights

Weight, approx. 40 g

**last modified:** 05/18/2018