

Relay Module - PLC-RPT- 24UC/2X21/FG - 2910539

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




PLC-INTERFACE, consisting of a relay base and plug-in safety relay with force-guided contacts in accordance with DIN EN 61810-3, Push-in connection, 2 changeover contacts, forcibly actuated, Input voltage: 24 V AC/DC

Product Description

The force-guided coupling relay module is approved for industrial control equipment in accordance with UL 508 (cULus listed). The requirements for type A in accordance with DIN EN 61810-3 are satisfied if the circuit is designed as 1 N/O contact / 1 N/C contact.



Key Commercial Data

Packing unit	10 pc
GTIN	 4 055626 486062
GTIN	4055626486062
Weight per Piece (excluding packing)	64.000 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	14 mm
Height	80 mm
Depth	104 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 85 °C
Maximum altitude	≤ 2000 m
Degree of protection	RT II (Relay)

Relay Module - PLC-RPT- 24UC/2X21/FG - 2910539

Technical data

Ambient conditions

	IP20 (Relay base)
	≥ IP54 (Installation location)

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	30 mA
Typical response time	3 ms ... 15 ms
Typical release time range	3 ms ... 15 ms
Coil voltage	24 V DC
Protective circuit	Bridge rectifier
Operating voltage display	Yellow LED

Contact side

Contact type	2 changeover contacts, forcibly actuated
Type of switch contact	Single contact
Contact material	AgNi
Force-guided contacts in accordance with EN 50205	Type B
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (10 mA)
Min. switching current	10 mA (5 V)
Maximum inrush current	6 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (24 V DC)
	288 W (48 V DC)
	88 W (110 V DC)
	110 W (220 V DC)
	1500 VA (250 V AC)
Switching capacity min.	150 mW
Switching capacity	3 A (24 V, DC13)
	3 A (230 V, AC15)

General

Test voltage relay winding/relay contact	4 kV _{rms} (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. 10 ⁷ cycles
Mounting position	any
Assembly instructions	In rows with zero spacing
B_{10d}	600000 Cycles (AC1; 250 V / 6 A; 1 NO)
	900000 Cycles (AC1; 250 V / 3 A; 1 NO)
	1800000 Cycles (AC1; 250 V / 1,5 A; 1 NO)