

PLC-RPT- 48DC/21HC/MS - Relay Module



2910532

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PLC-INTERFACE, consisting of a relay base and pluggable power contact relay with manual operation, integrated status LED and freewheeling diode, Push-in connection, 1 changeover contact, Bridge rectifier, Input voltage: 48 V DC

Commercial data

Item number	2910532
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	C461
Product key	CK623A
Catalog page	Page 369 (C-5-2019)
GTIN	4055626486833
Weight per piece (including packing)	77.02 g
Weight per piece (excluding packing)	64 g
Customs tariff number	85364190
Country of origin	DE

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Set consists of

PLC-BPT- 48DC/21HC/H - Relay base

1012308

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14 mm PLC basic terminal block without relay, for mounting on DIN rail NS 35/7,5, Push-in connection, 1 changeover contact, Input voltage 48 V DC

REL-MR- 24DC/21HC/MS - Single relay

2987888

<https://www.phoenixcontact.com/us/products/2987888>



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

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Technical data

Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Palm switch High continuous currents
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁶ cycles

Insulation characteristics

Insulation	Safe isolation, reinforced insulation
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Insulation characteristics

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Test voltage (Winding/contact)	4 kV _{rms} (50 Hz, 1 min., winding/contact)
Rated insulation voltage	250 V AC
Rated surge voltage	6 kV

Input data

Coil side

Nominal input voltage U _N	48 V DC
Input voltage range	40.3 V DC ... 60 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	19 mA
Typical response time	6 ms
Typical release time	10 ms
Coil voltage	24 V DC
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then

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	carried out with FBST 8-PLC... or ...FBST 500...)
Minimum switching voltage	12 V (10 mA)
Limiting continuous current	10 A
Maximum inrush current	24 A (20 ms)
Min. switching current	10 mA (12 V)
Interrupting rating (ohmic load) max.	264 W (24 V DC)
	62 W (48 V DC)
	48 W (60 V DC)
	52 W (110 V DC)
	66 W (220 V DC)
	2750 VA (250 V AC)
Switching capacity	1 A (24 V, DC13)
	1.5 A (230 V, AC15)

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
	0.2 mm ² ... 2.5 mm ² (Single ferrule)
	2x 0.5 mm ² ... 1 mm ² (TWIN ferrule)
Conductor cross section AWG	26 ... 14

Dimensions

Width	14 mm
Height	80 mm
Depth	104 mm

Material specifications

Flammability rating according to UL 94	V0 (Housing)
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Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT II (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m

Approvals

UL, USA

Identification	UL 508
	UL 508 Recognized

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UL, USA/Canada

Identification	UL 508
	UL 508 Recognized

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

Standards and regulations

Standards/regulations	IEC 60947-5-1
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Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

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Classifications

ECLASS

ECLASS-11.0

27371601

ETIM

ETIM 8.0

EC001437

UNSPSC

UNSPSC 21.0

39122300

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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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