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Relay Module - PLC-2RPT-24DC/1 - 2901639

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The figure shows a version with a screw connection

PLC-INTERFACE with two independent relays, consisting of PLC-BPT.../21 basic terminal block with push-in connection and two integrated relays, power contact, for mounting on DIN rail NS 35/7,5, 2 x 1 N/O contact, input voltage 24 V DC

Product Features

- Two switching channels in one 6.2 mm housing
- 100% higher channel density than conventional 6.2 mm relays
- Integrated input circuit/protective circuit
- Safe isolation according to DIN EN 50178 between coil and contacts and between contacts
- Screw, spring-cage or Push-in connection

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	99.99 GRM
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	6.2 mm
Height	80 mm
Depth	86 mm

Ambient conditions

Relay Module - PLC-2RPT-24DC/1 - 2901639

Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C

Coil side

Nominal input voltage U_N	24 V DC
Typical input current at U_N	7 mA
Typical response time	4 ms
Typical release time	6 ms
Operating voltage display	Yellow LED
Protective circuit	Protection against polarity reversal Polarity protection diode
	Free-wheeling diode Damping diode

Contact side

Contact type	2 N/O contacts (2 relays with 1 N/O contact)
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	24 V AC/DC
Min. switching current	5 mA
Limiting continuous current	3.5 A
Interrupting rating (ohmic load) max.	84 W (at 24 V DC)
	24 W (at 48 V DC)
	24 W (at 60 V DC)
	31 W (at 110 V DC)
	46 W (at 220 V DC)
	875 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	3 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	3 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	2×10^7 cycles
Inflammability class according to UL 94	V0
Designation	Air and creepage distances between the power circuits
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	6 kV, safe isolation between input and output. 4 kV, basic insulation between the outputs.
Rated insulation voltage	250 V AC

Relay Module - PLC-2RPT-24DC/1 - 2901639

Technical data

General

Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG/kcmil max	14
Conductor cross section AWG/kcmil min.	26

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 3.0	EC001504
ETIM 4.0	EC000196
ETIM 5.0	EC000196

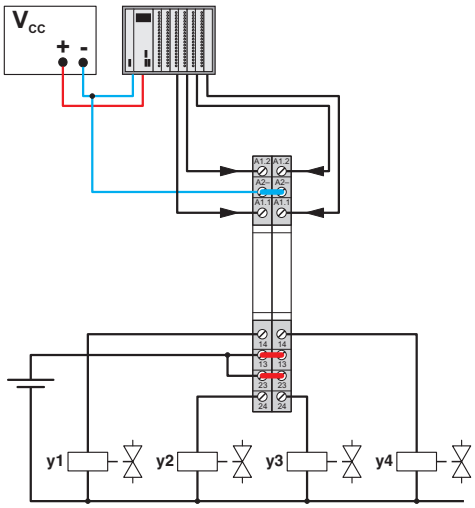
UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

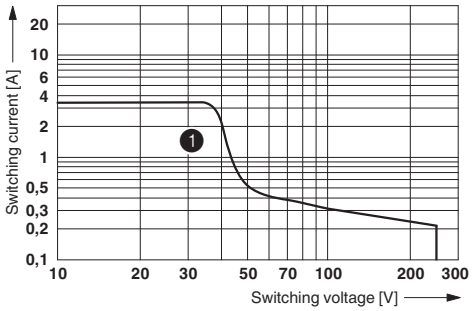
Relay Module - PLC-2RPT-24DC/1 - 2901639

Drawings

Application drawing



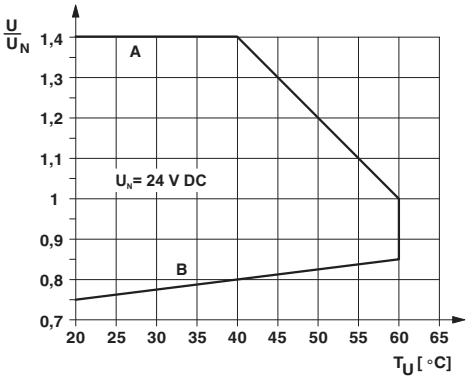
Diagram



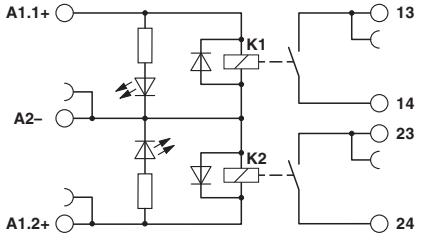
1 DC, ohmic load

Interrupting rating

Diagram



Circuit diagram



Operating voltage range

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