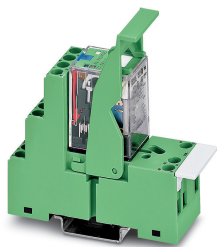


Relay Module - PR2-RSC3-LDP-24DC/2X21 - 2834643

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Pre-assembled relay modules with screw connection, consisting of: relay base, industrial relay with integrated LED, freewheeling diode and engage/disengage manual actuate lever, and retaining bracket. Input voltage: 24 V DC, 2 changeover contacts, 10 A

Your advantages

- ✓ With DC types, freewheeling diode is integrated in relay
- ✓ Relay with detectable manual operation and status LED
- ✓ Logical contact arrangement thanks to 1/3-level relay base
- ✓ Mechanical switch position indicator
- ✓ 4-changeover contact types with multi-layer gold contacts



Key Commercial Data

Packing unit	5 pc
GTIN	 4 046356 044530
GTIN	4046356044530

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	38 mA
Typical response time	13 ms
Typical release time	14 ms
Protective circuit	Damping diode
Operating voltage display	Green LED

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Technical data

Coil side

Power dissipation for nominal condition	0.91 W
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Contact side

Contact type	2 changeover contacts
Type of switch contact	Single contact
Contact material	Ag
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V
Min. switching current	1 mA
Maximum inrush current	20 A (15 ms)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)
	240 W (at 24 V DC)
	144 W (at 48 V DC)
	108 W (at 60 V DC)
	72 W (at 110 V DC)
	110 W (at 220 V DC)

General

Test voltage	2 kV AC (50 Hz, 1 min., winding/contact)
	2 kV AC (50 Hz, 1 min., contact/contact)
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁷ cycles
Service life, electrical	see diagram
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil side
Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²

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Technical data

Connection data output side

Conductor cross section AWG	26 ... 14
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Standards and Regulations

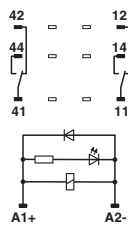
Standards/regulations	IEC 60664
	EN 50178
Pollution degree	3
Overvoltage category	II

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

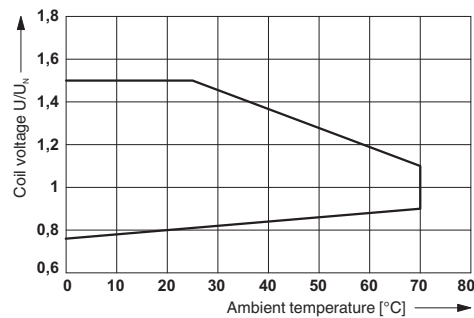
Drawings

Circuit diagram



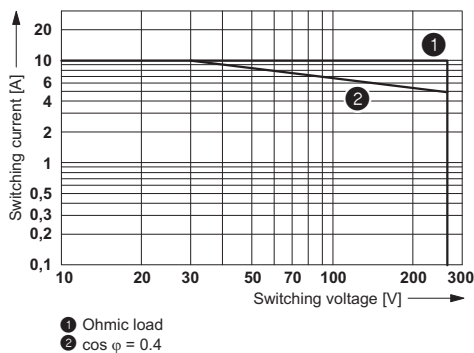
DC coils

Diagram



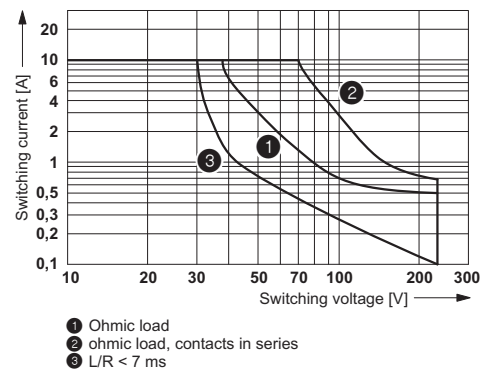
Operating voltage range of relay $T_u = T_{coil}$

Diagram



AC interrupting rating

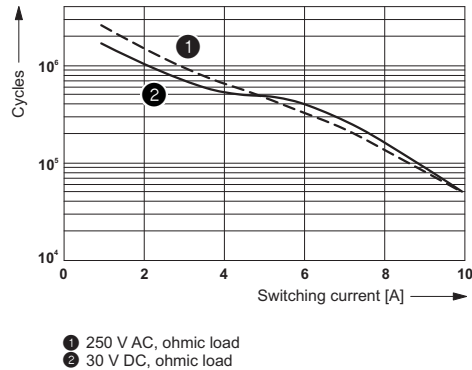
Diagram



DC interrupting rating

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Diagram



Electrical service life

Articles in set

Relay base - PR2-BSC3/4X21 - 2833576



Relay base PR2-B, for industrial relay REL-IR with 2 or 4 changeover contacts, 1/3-level design, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

Single relay - REL-IR/LDP- 24DC/2X21 - 2834025



Plug-in industrial relay with power contacts, 2 changeover contacts, test button, status LED, freewheeling diode, mechanical switching position indicator, polarity A1+, A2-, input voltage 24 V DC

Retaining bracket - EL2-P35 - 2833592



Relay retaining bracket, with eject function and integrated equipment marking area (8 x 25 mm), to suit relay base PR2, for 35 mm high industrial relay

Marker labels - MP 2 - 2833644

Equipment marker, labeling surface 9 x 25 mm



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Articles in set

Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

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