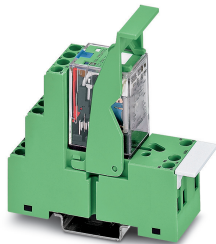


Relay Module - PR2-RSC3-LV-120AC/2X21 - 2834669

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Pre-assembled relay modules with screw connection, consisting of: relay base, industrial relay with integrated LED and engage/disengage manual actuate lever, varistor protective module, and relay retaining bracket. Input voltage: 120 V AC, 2 changeover contacts, 10 A

The figure shows the 24 V DC version

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 017918 996246
GTIN	4017918996246
Weight per Piece (excluding packing)	117.160 g
Custom tariff number	85364900
Country of origin	Japan

Technical data

Ambient conditions

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

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Technical data

Coil side

Nominal input voltage U_N	120 V AC
Typical input current at U_N	11 mA (at 50 Hz)
	9 mA (At 60 Hz)
Typical response time	4 ms ... 10 ms
Typical release time range	3 ms ... 12 ms
Protective circuit	Varistor
Operating voltage display	LED red
Power dissipation for nominal condition	1.32 W

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.	240 W (at 24 V DC)
	160 W (at 48 V DC)
	110 W (at 60 V DC)
	72 W (at 110 V DC)
	130 W (at 220 V DC)
	2500 VA (for 250 V AC)

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

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Technical data

Connection data input side

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
Conductor cross section AWG	26 ... 14

Standards and Regulations

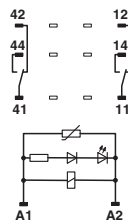
Standards/regulations	IEC 60664
	EN 50178
Pollution degree	3
Overvoltage category	II

Environmental Product Compliance

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

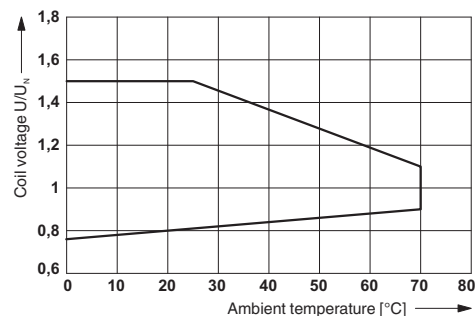
Drawings

Circuit diagram



) The contacts 21, 22, 24 are connected to the relay base connections 41, 42, 44.

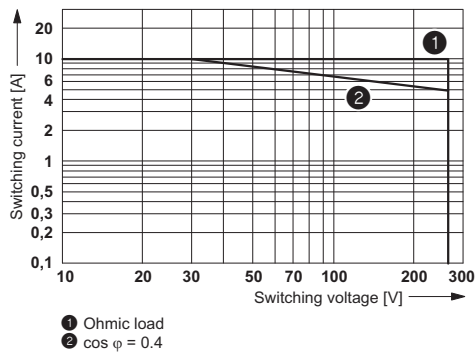
Diagram



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

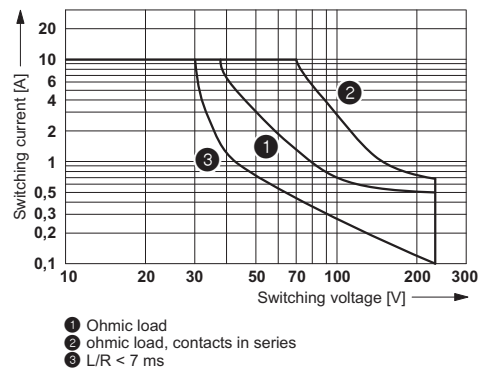
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Diagram



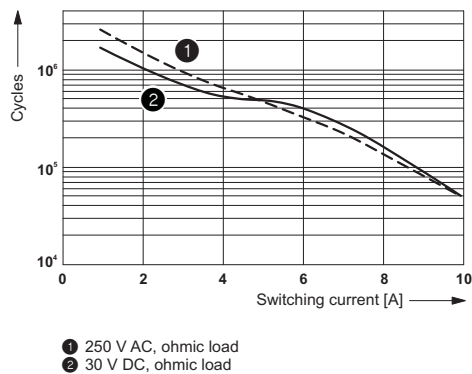
AC interrupting rating

Diagram



DC interrupting rating

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

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Articles in set

Single relay - REL-IR/L-120AC/2X21 - 2834067



Plug-in industrial relays with power contacts, 2 changeover contacts, test button, status LED, mechanical switching position indicator, input voltage: 120 V AC

Plug-in module - V-120-230UC - 2833880



Plug-in module, with varistor, input voltage: 120 ... 230 V AC/DC $\pm 20\%$

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

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

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Classifications

eCl@ss

eCl@ss 9.0	27371601
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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