

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

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>)




Preassembled relay modules with screw connection, consisting of: relay base, industrial relay with integrated LED, free-wheeling diode and engage/disengage manual actuate lever, and retaining bracket. Input voltage: 24 V DC, two PDTs, 10 A

Why buy this product

- 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 PDT types with multi-layer gold contacts



Key Commercial Data

Packing unit	5 STK
Minimum order quantity	5 STK
GTIN	 4 046356 044530
GTIN	4046356044530
Weight per Piece (excluding packing)	120.570 g
Custom tariff number	85364900
Country of origin	Japan

Technical data

Note

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

Dimensions

Width	27 mm
Height	78.5 mm
Depth	86 mm

Ambient conditions

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

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
Power dissipation for nominal condition	0.91 W

Contact side

Contact type	2 PDT
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 relay winding/relay contact	2 kV (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I (Relay)
Mechanical service life	5×10^7 cycles
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

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

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

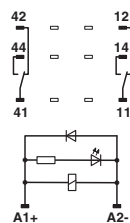
Connection name	Contact side
Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Degree of pollution	3
Overvoltage category	II

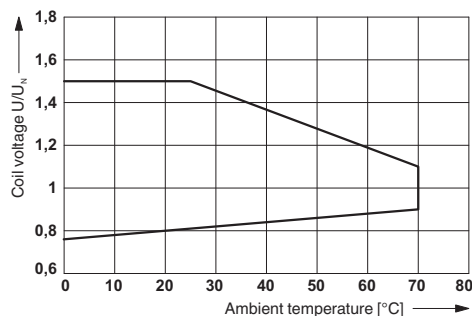
Drawings

Circuit diagram



DC coils

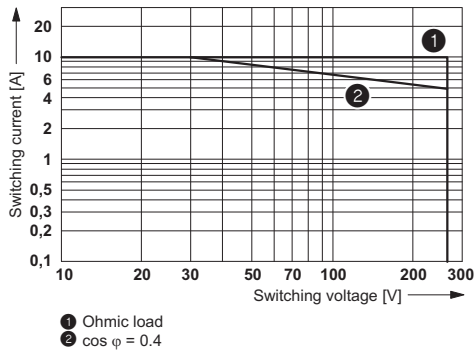
Diagram



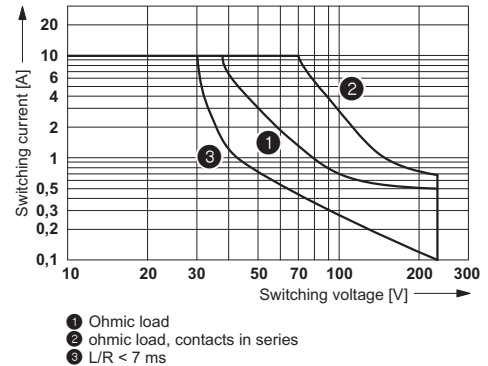
Operating voltage range of relay T_u=T_{coil}

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

Diagram



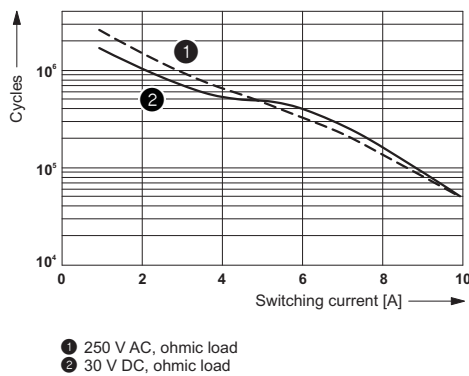
Diagram



AC interrupting rating

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 PDT, 1/3-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

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



Pluggable industrial relays with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, input voltage 24 V DC

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

Articles in set

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

Classifications

eCl@ss

eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

Approvals

Approvals

Approvals


EAC / EAC

Ex Approvals

Approval details

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

Approvals

EAC		RU C- DE.A*30.B.01082
-----	---	--------------------------

EAC		EAC-Zulassung
-----	---	---------------