

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

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 documentation. Our General Terms of Use for Downloads are valid.



Pre-assembled relay modules with spring-cage connection, consisting of a relay base, industrial relay with integrated LED, freewheeling diode and engage/disengage manual actuate lever, and retaining bracket. Input voltage: 24 V DC, 4 changeover contacts with gold-plated contacts, 5 A

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

Commercial Data

Item number	2834766
Packing unit	1 pc
Minimum order quantity	5 pc
Note	Made to Order (non-returnable)
Sales Key	C05
Product Key	CK632H
Catalog Page	Page 395 (C-7-2013)
GTIN	4046356044585
Weight per Piece (including packing)	144 g
Weight per Piece (excluding packing)	124.06 g
Customs tariff number	85364900
Country of origin	JP

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

Set consists of

Relay base

Relay base - PR2-BSP3/4X21 - 2833589

<https://www.phoenixcontact.com/us/products/2833589>



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

Retaining bracket

Retaining bracket - EL2-P35 - 2833592

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

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

Technical Data

Product properties

Product type	Relay Module
Application	Universal
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁷ cycles

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.91 W
Test voltage Winding/contact	2 kV AC (50 Hz, 1 min., winding/contact)
Test voltage Contact/contact	2 kV AC (50 Hz, 1 min., contact/contact)

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	18.7 V DC ... 36 V DC
Typical input current at U_N	38 mA
Typical response time	13 ms
Typical release time	5 ms
Protective circuit	Freewheeling diode
Operating voltage display	Green LED

Output data

Switching

Contact type	4 changeover contacts
Type of switch contact	Single contact
Drive and function	monostable
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Limiting continuous current	5 A
Maximum inrush current	12 A (15 ms)
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	120 W (at 24 V DC) 110 W (at 48 V DC) 78 W (at 60 V DC) 55 W (at 110 V DC)

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

	77 W (at 220 V DC)
	1250 VA (for 250 V AC)

Connection data

Coil side

Connection method	Spring-cage connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 16

Contact side

Connection method	Spring-cage connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 16

Dimensions

Width	31 mm
Height	95 mm
Depth	84 mm

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

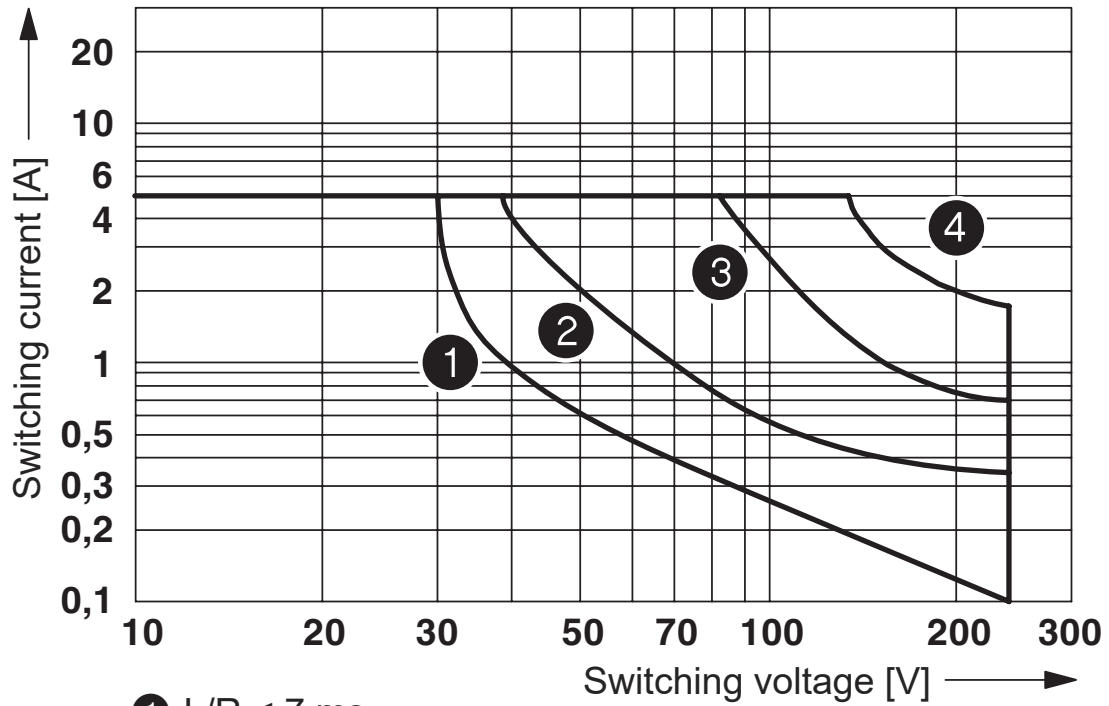
Standards/regulations	IEC 60664
	EN 50178

Mounting

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

Drawings

Diagram



- ① $L/R < 7 \text{ ms}$
- ② ohmic load
- ③ ohmic load, 2 contacts in series
- ④ ohmic load, 4 contacts in series

DC interrupting rating

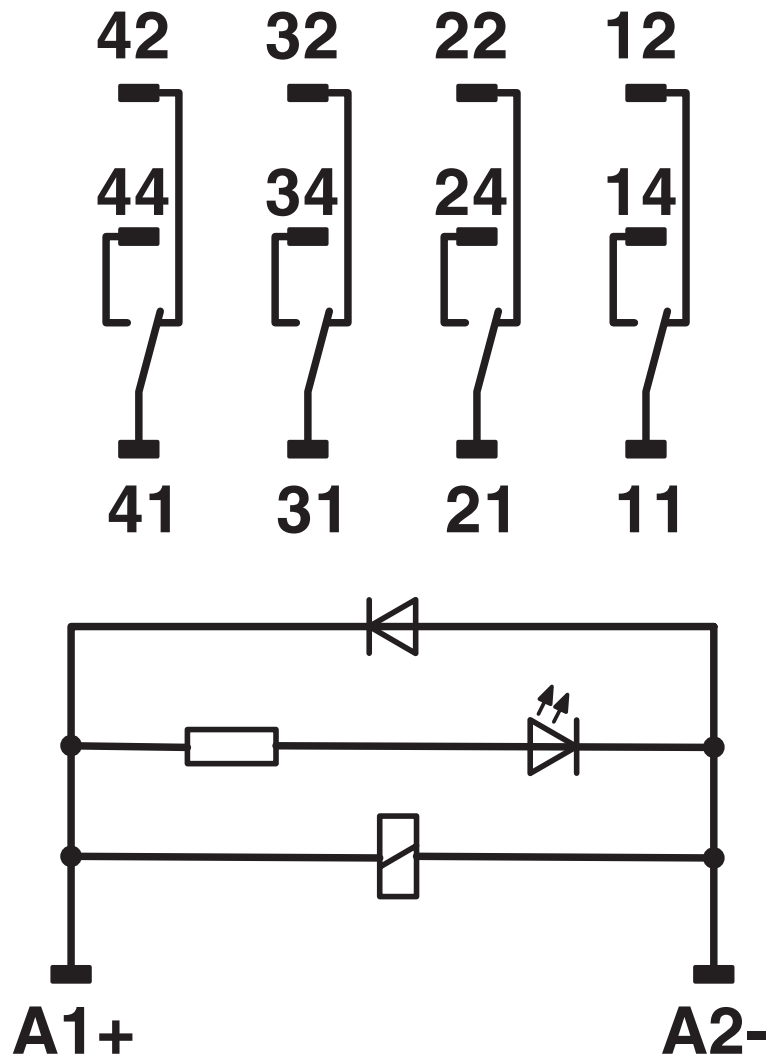
Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

Circuit diagram



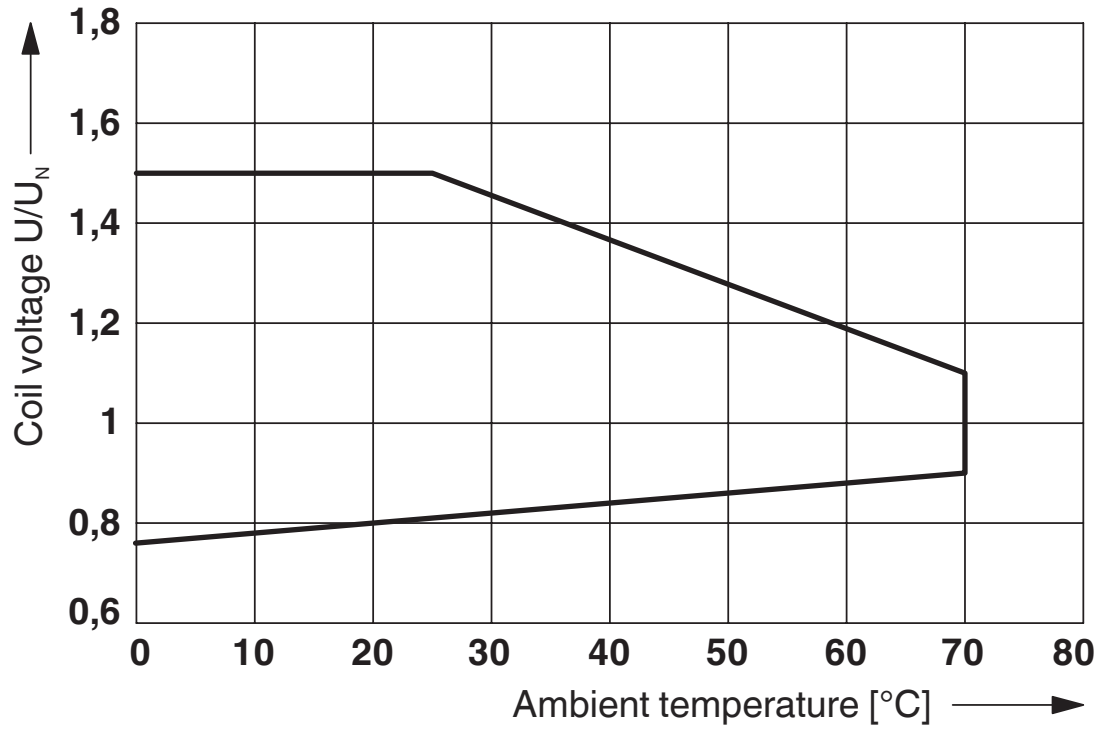
Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

Diagram

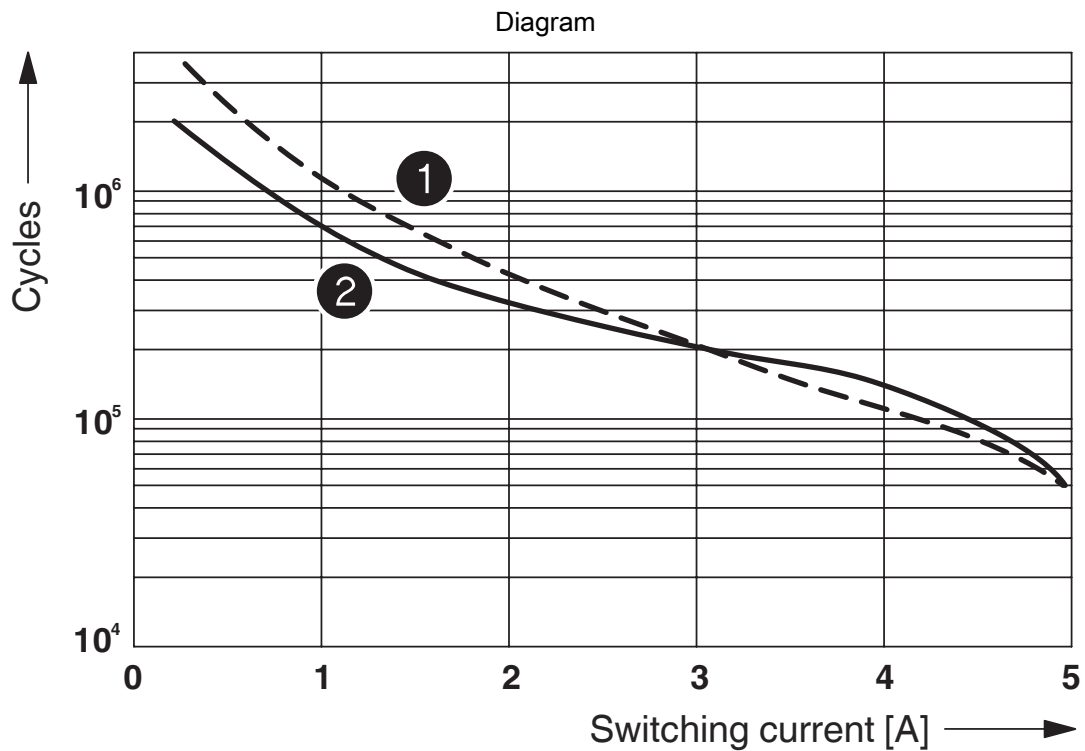


Operating voltage range of relay $T_u=T_{coil}$

Diagram



AC interrupting rating



- ① 250 V AC, ohmic load
- ② 30 V DC, ohmic load

Electrical service life

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

Classifications

ECLASS

ECLASS-9.0	27371601
ECLASS-10.0.1	27371601
ECLASS-11.0	27371601

ETIM

ETIM 7.0	EC001437
----------	----------

UNSPSC

UNSPSC 21.0	39122334
-------------	----------

Relay Module - PR2-RSP3-LDP-24DC/4X21AU



2834766

<https://www.phoenixcontact.com/us/products/2834766>

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"
------------	--

Phoenix Contact 2022 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com