PR2-RSC3-LDP-24DC/4X21AU - Relay module

2834724

https://www.phoenixcontact.com/us/products/2834724

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The figure shows the 24 V DC version

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, 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
- 4-changeover contact types with multi-layer gold contacts
- Logical contact arrangement thanks to 1/3-level relay base

Commercial data

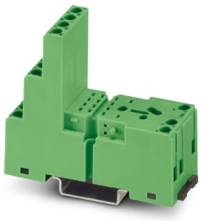
Item number	2834724
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C463
Product key	DK631H
GTIN	4046356044554
Weight per piece (including packing)	120 g
Weight per piece (excluding packing)	115.27 g
Customs tariff number	85364900
Country of origin	JP

Set consists of

PR2-BSC3/4X21 - Relay base

2833576

https://www.phoenixcontact.com/us/products/2833576

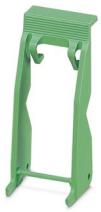


Relay base PR2-B, for industrial relay REL-IR with 2 or 4 changeover contacts, 1/3-level design, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5

EL2-P35 - Retaining bracket

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

MP 2 - Marker labels

2833644

https://www.phoenixcontact.com/us/products/2833644

Equipment marker, labeling surface 9 x 25 mm



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

Data management status

Date of last data management	01.04.2026

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
Input voltage range in reference to U_N	see diagram
Drive and function	monostable
Typical input current at U_N	38 mA
Typical response time	13 ms
Typical release time	14 ms
Protective circuit	Freewheeling diode
Operating voltage display	Green LED

Output data

Switching

Contact switching type	4 changeover contacts
Type of switch contact	Single contact
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.	1250 VA (for 250 V AC)
	120 W (at 24 V DC)
	110 W (at 48 V DC)
	78 W (at 60 V DC)
	55 W (at 110 V DC)
	77 W (at 220 V DC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	7 mm
Conductor cross-section rigid	0.14 mm² ... 2.5 mm²
Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
Conductor cross-section AWG	26 ... 14

Contact side

Connection method	Screw connection
Stripping length	7 mm
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Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
Conductor cross-section AWG	26 ... 14

Dimensions

Width	27 mm
Height	78.5 mm
Depth	86 mm

Material specifications

Color	green (RAL 6021)

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT I (Relay)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Standards and regulations

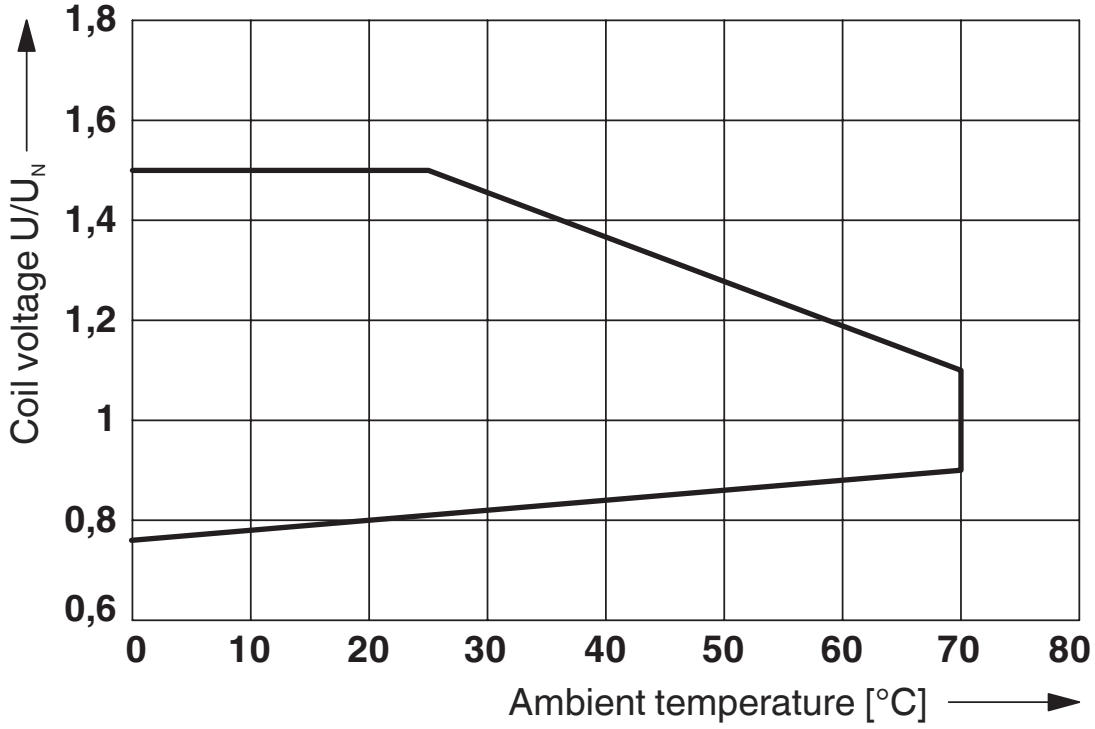
Standards/regulations	IEC 60664
	EN 50178

Mounting

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

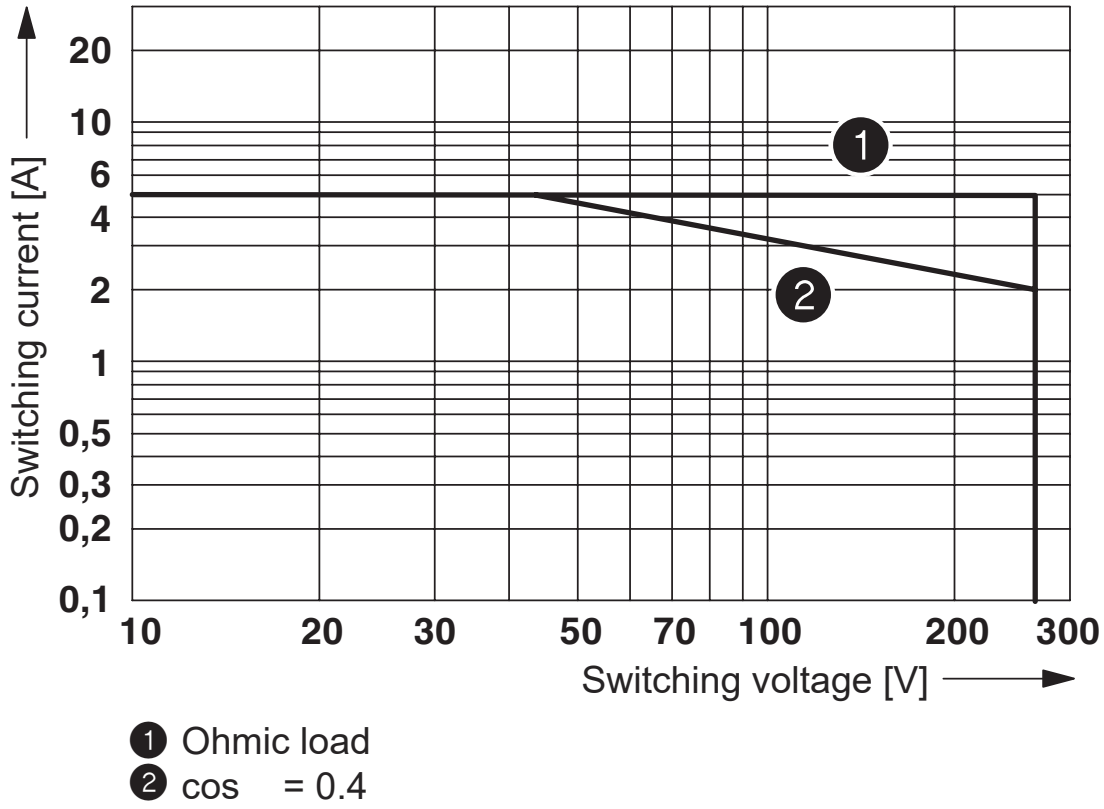
Drawings

Diagram



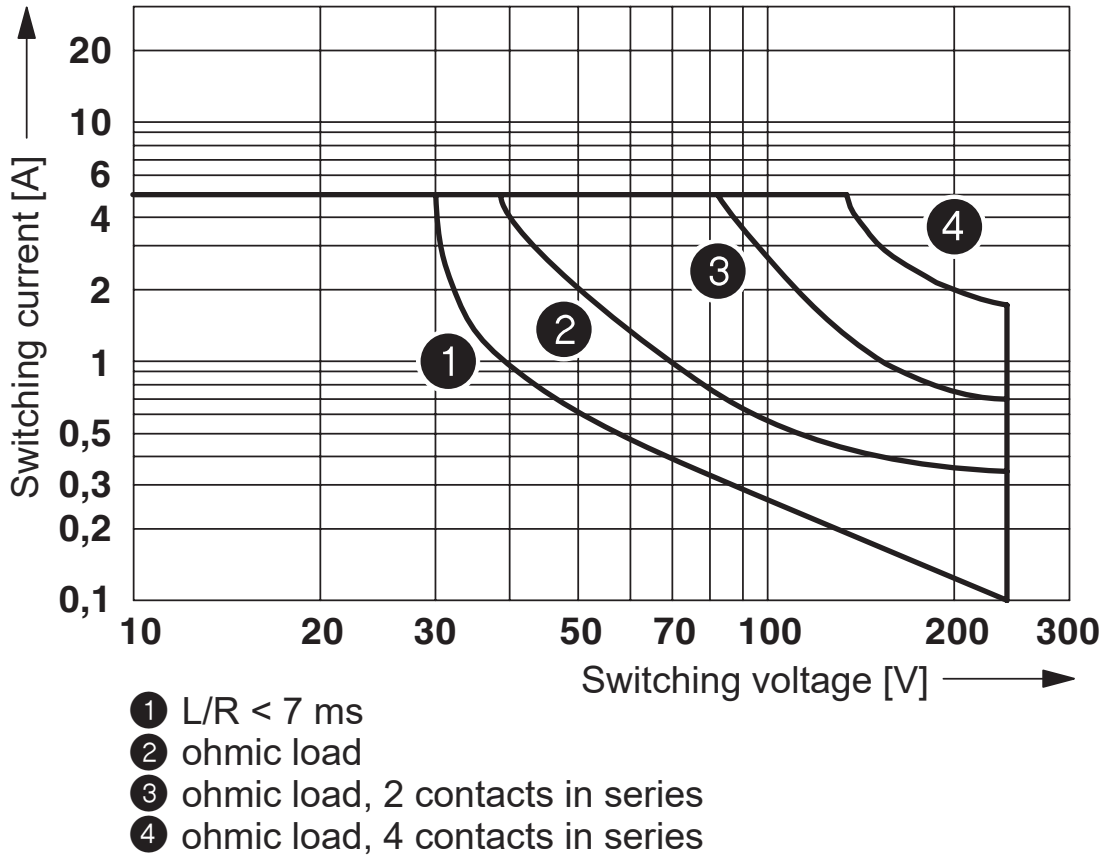
Operating voltage range of relay T_u=T_{coil}

Diagram



AC interrupting rating

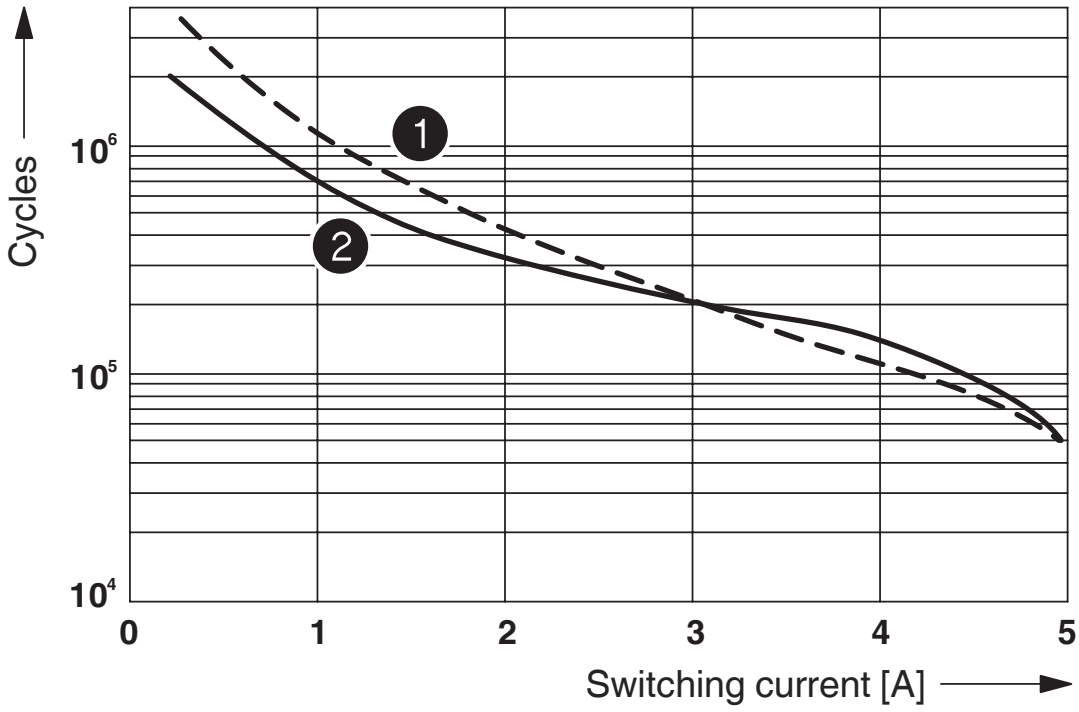
Diagram



1 L/R < 7 ms
2 ohmic load
3 ohmic load, 2 contacts in series
4 ohmic load, 4 contacts in series

DC interrupting rating

Diagram

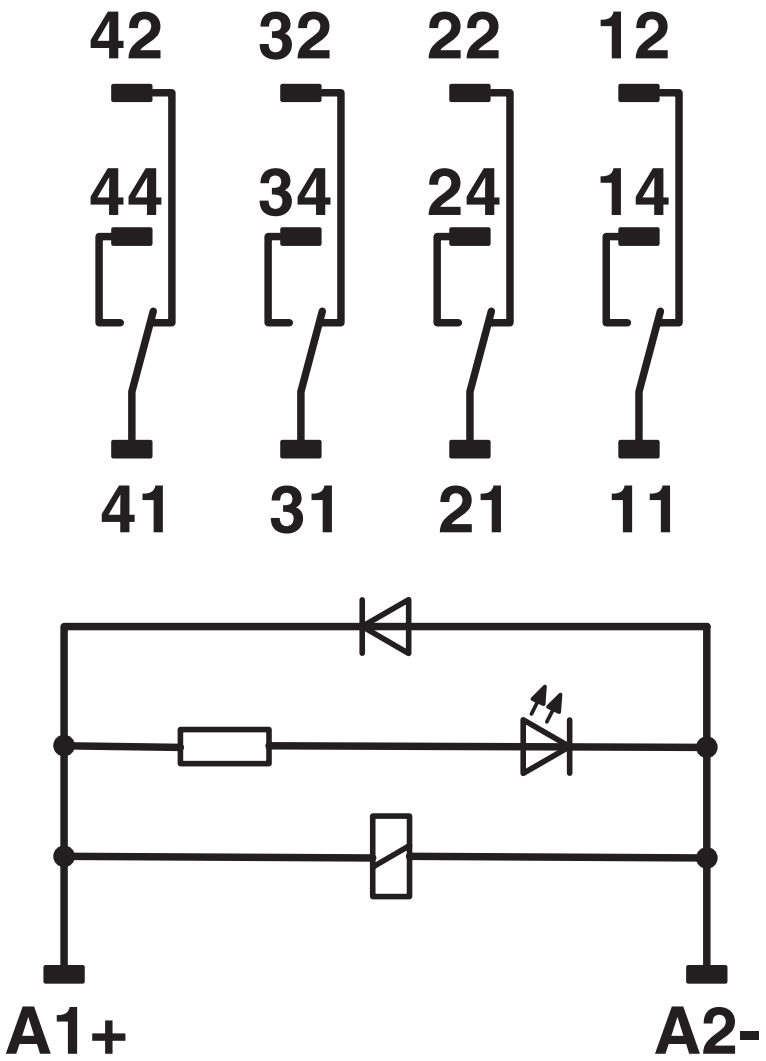


1 250 V AC, ohmic load

2 30 V DC, ohmic load

Electrical service life

Circuit diagram



DC coils

Classifications

UNSPSC

UNSPSC 21.0	39122334

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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