PR2-RSP3-LV-120AC/2X21 - Relay module

2834708

https://www.phoenixcontact.com/us/products/2834708

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The figure shows the 24 V DC version

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

Your advantages

- Relay with detectable manual operation and status LED
- With DC types, freewheeling diode is integrated in relay
- 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	2834708
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C463
Product key	DK632A
GTIN	4017918996277
Weight per piece (including packing)	141.07 g
Weight per piece (excluding packing)	125.25 g
Customs tariff number	85364900
Country of origin	JP

Set consists of

PR2-BSP3/4X21 - Relay base

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

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

2834067

https://www.phoenixcontact.com/us/products/2834067



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

V-120-230UC - Plug-in module

2833880

https://www.phoenixcontact.com/us/products/2833880

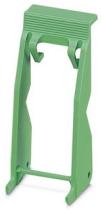


Plug-in module, with varistor, input voltage: 120 ... 230 V AC/DC ±20 %

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

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	3

Data management status

Date of last data management	01.04.2026

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.32 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	120 V AC
Input voltage range	93.6 V AC ... 180 V AC
Drive and function	monostable
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

Output data

Switching

Contact switching 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
Limiting continuous current	10 A
Maximum inrush current	20 A (15 ms)
Min. switching current	1 mA

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)

Connection data

Coil side

Connection method	Spring-cage connection
Stripping length	12 mm
Conductor cross-section rigid	0.2 mm² ... 1.5 mm²
Conductor cross-section flexible	0.2 mm² ... 1.5 mm²
Conductor cross-section AWG	24 ... 16

Contact side

Connection method	Spring-cage connection
Stripping length	12 mm
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Conductor cross-section AWG	24 ... 16

Dimensions

Width	31 mm
Height	95 mm
Depth	84 mm

Material specifications

Color	green (RAL 6021)

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

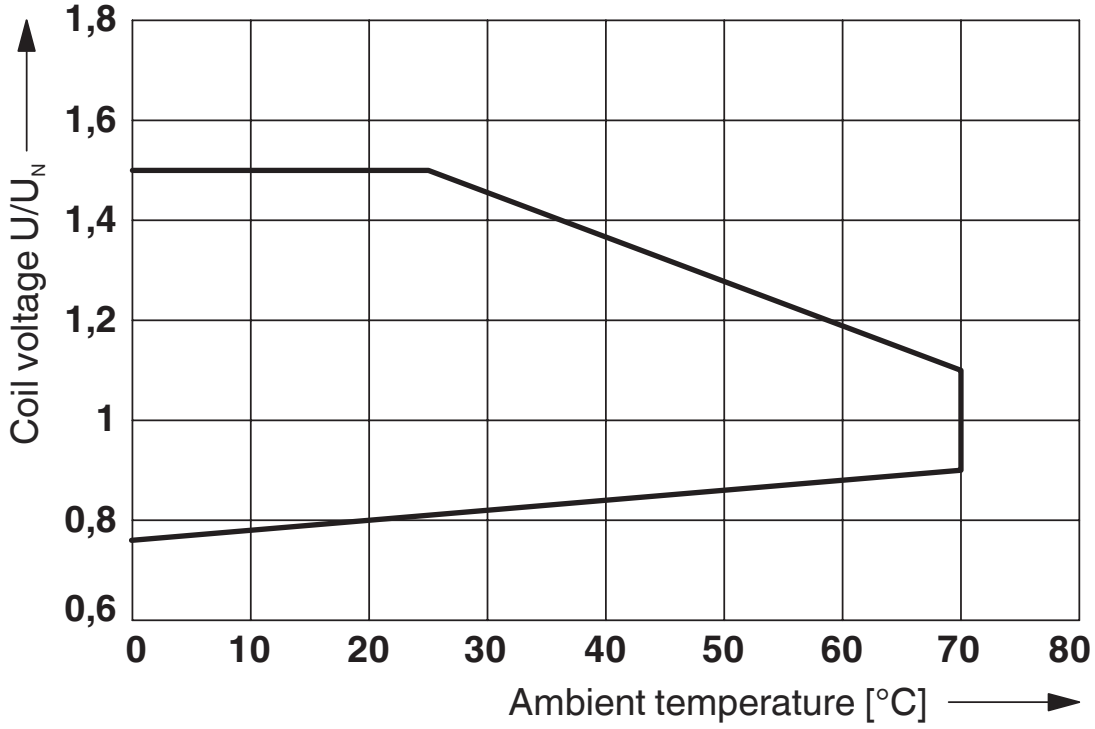
Standards/regulations	IEC 60664
	EN 50178

Mounting

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

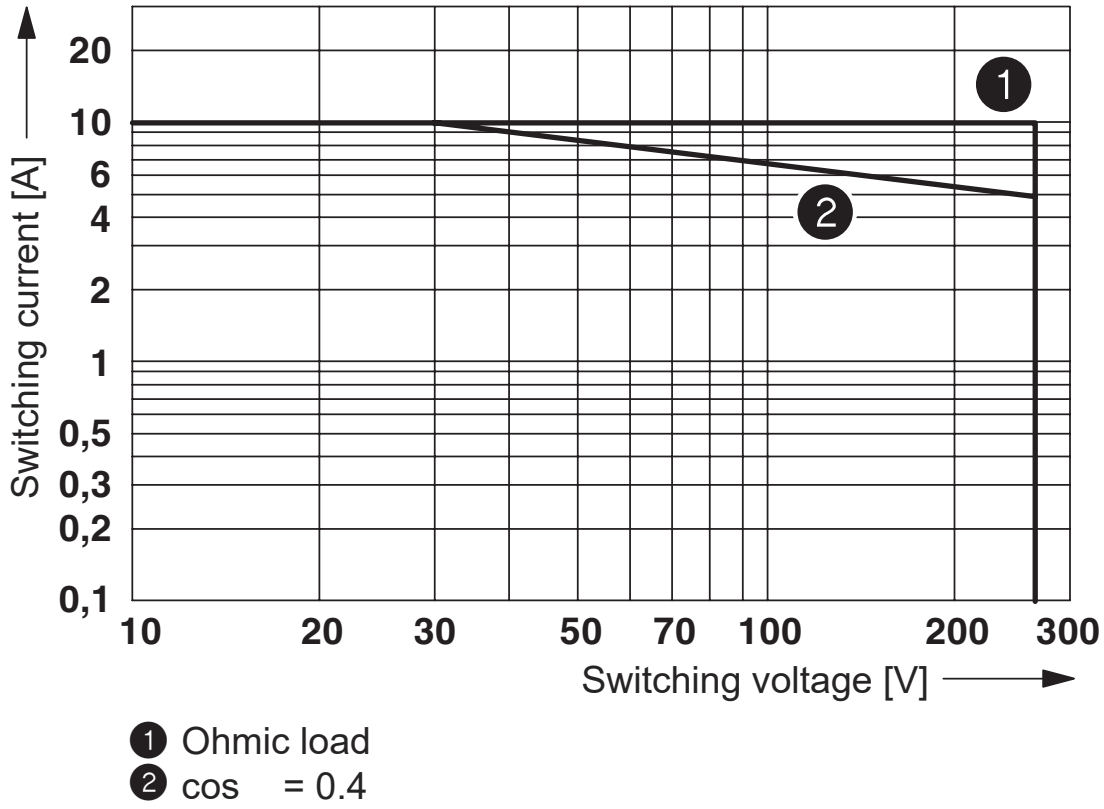
Drawings

Diagram



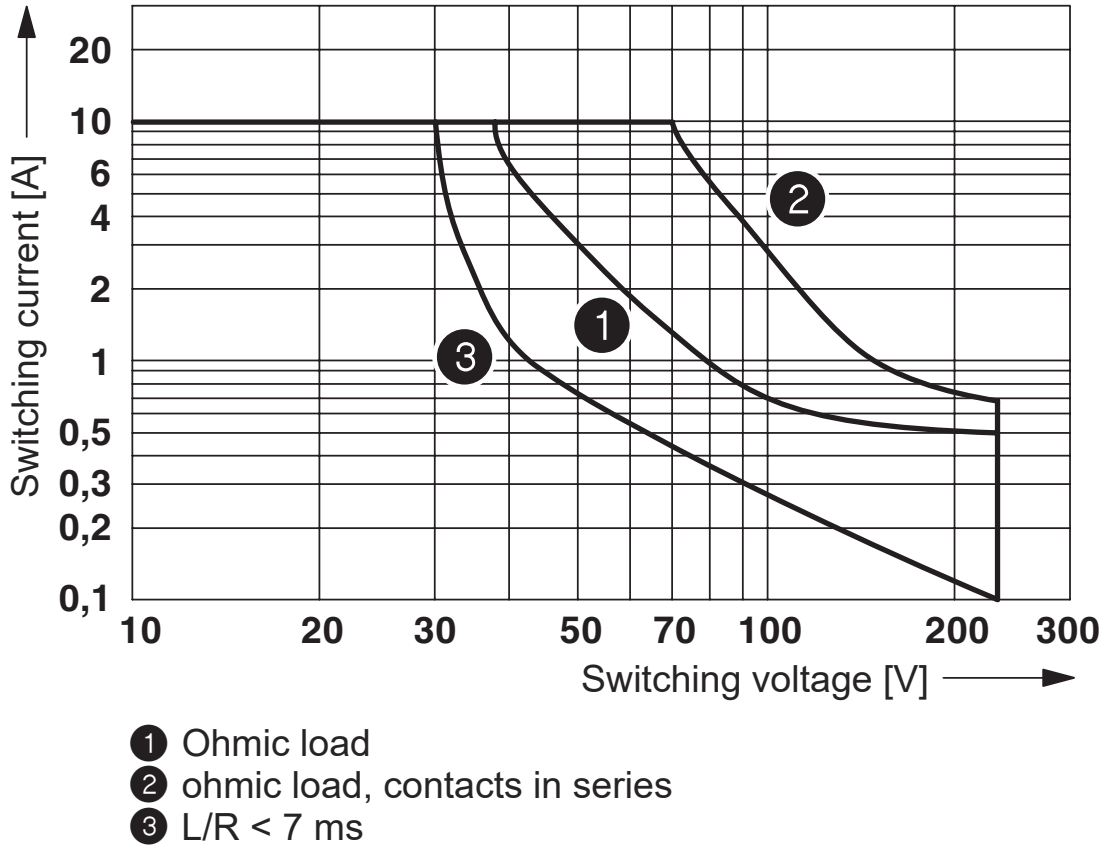
Operating voltage range of relay $T_u=T_{coil}$

Diagram



AC interrupting rating

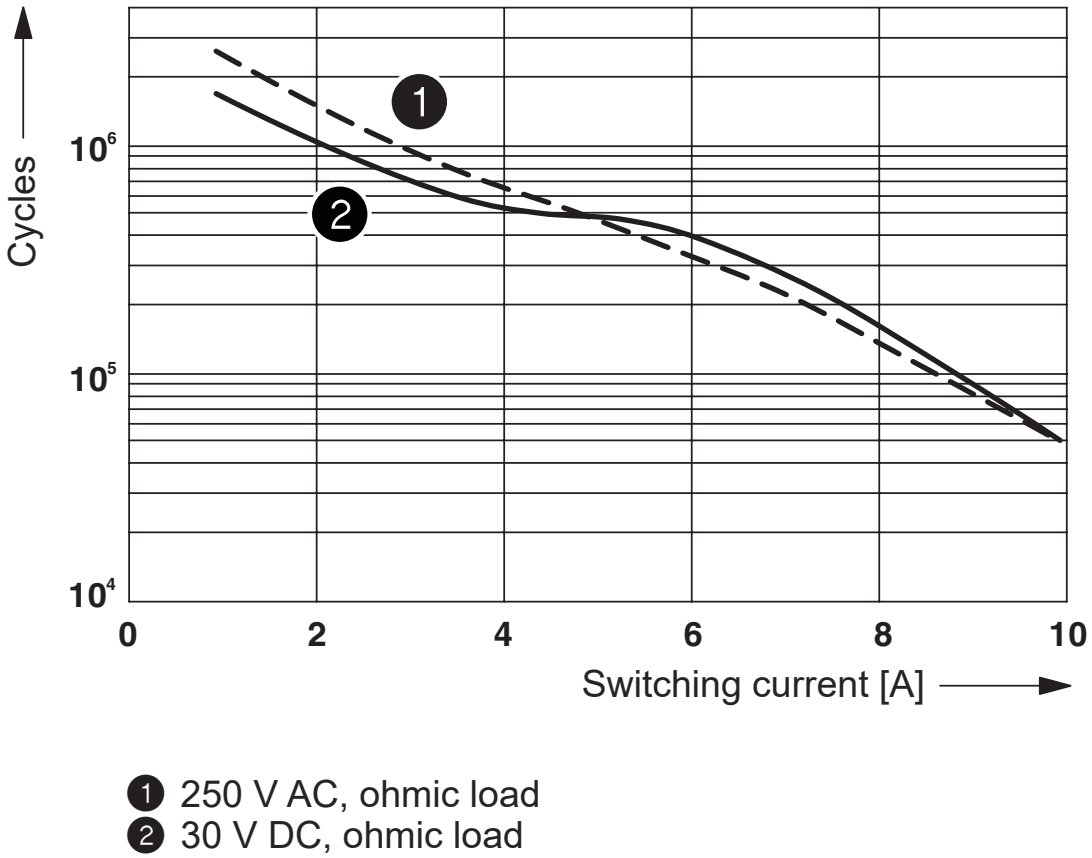
Diagram



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

DC interrupting rating

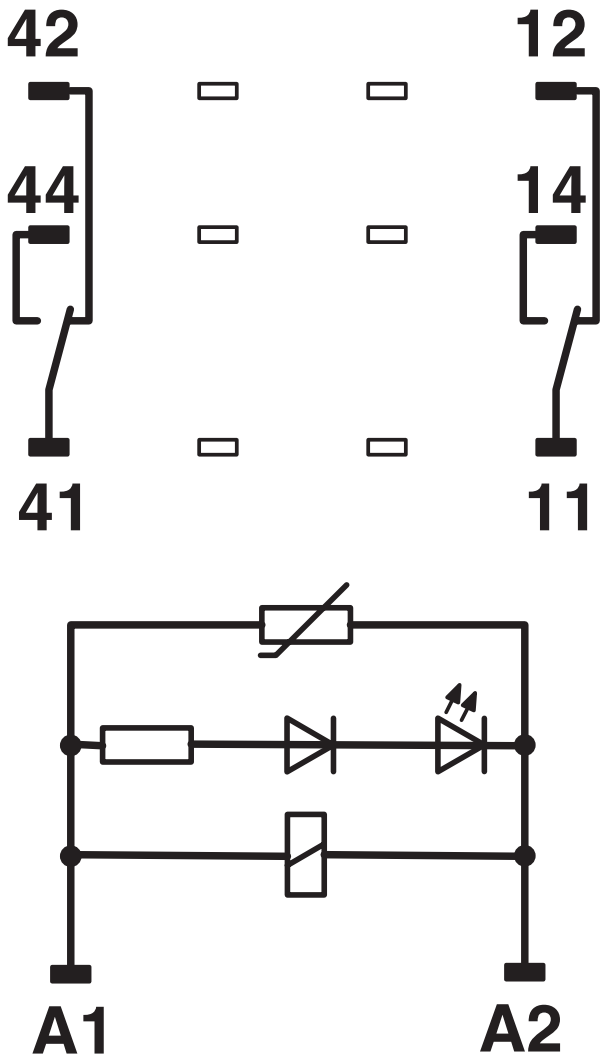
Diagram



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

Electrical service life

Circuit diagram



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

Classifications

UNSPSC

UNSPSC 21.0	39122334

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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

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