

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

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.



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: 24 V AC, 2 changeover contacts, 10 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	2834698
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C463
Product key	DK632A
GTIN	4017918996260
Weight per piece (including packing)	125 g
Weight per piece (excluding packing)	125 g
Customs tariff number	85364900
Country of origin	DE

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

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- 24AC/2X21 - Single relay

2834054

<https://www.phoenixcontact.com/us/products/2834054>



Plug-in industrial relays with power contacts, 2 changeover contacts, test button, status LED, mechanical switching position indicator, input voltage: 24 V AC

PR2-RSP3-LV- 24AC/2X21 - Relay module

2834698

<https://www.phoenixcontact.com/us/products/2834698>



V- 12- 24UC - Plug-in module

2833864

<https://www.phoenixcontact.com/us/products/2833864>



Plug-in module, for mounting on PR1 and PR2, with varistor, input voltage : 12 ... 24 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

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

Technical data

Notes

Utilization restriction

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

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	1.3 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 AC
Input voltage range	18.7 V AC ... 36 V AC
Drive and function	monostable
Typical input current at U_N	54 mA (at 50 Hz) 46 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

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

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 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	12 mm
Conductor cross-section rigid	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

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

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

Mounting

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

Drawings

Diagram

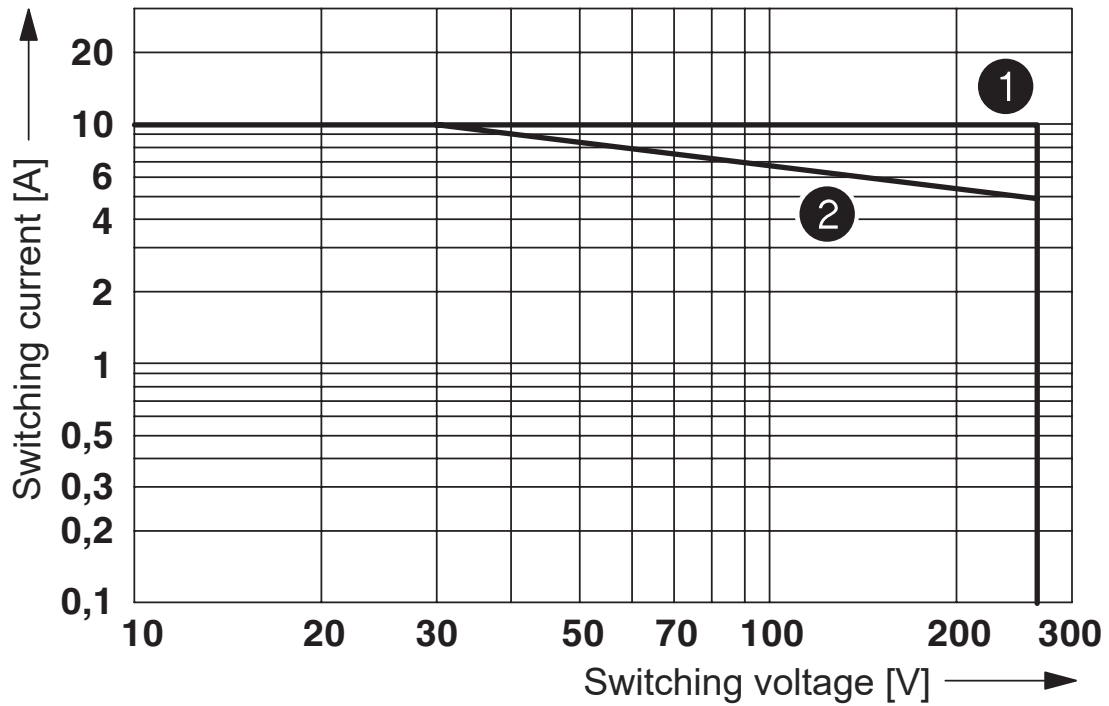


Operating voltage range of relay $T_u=T_{coil}$

2834698

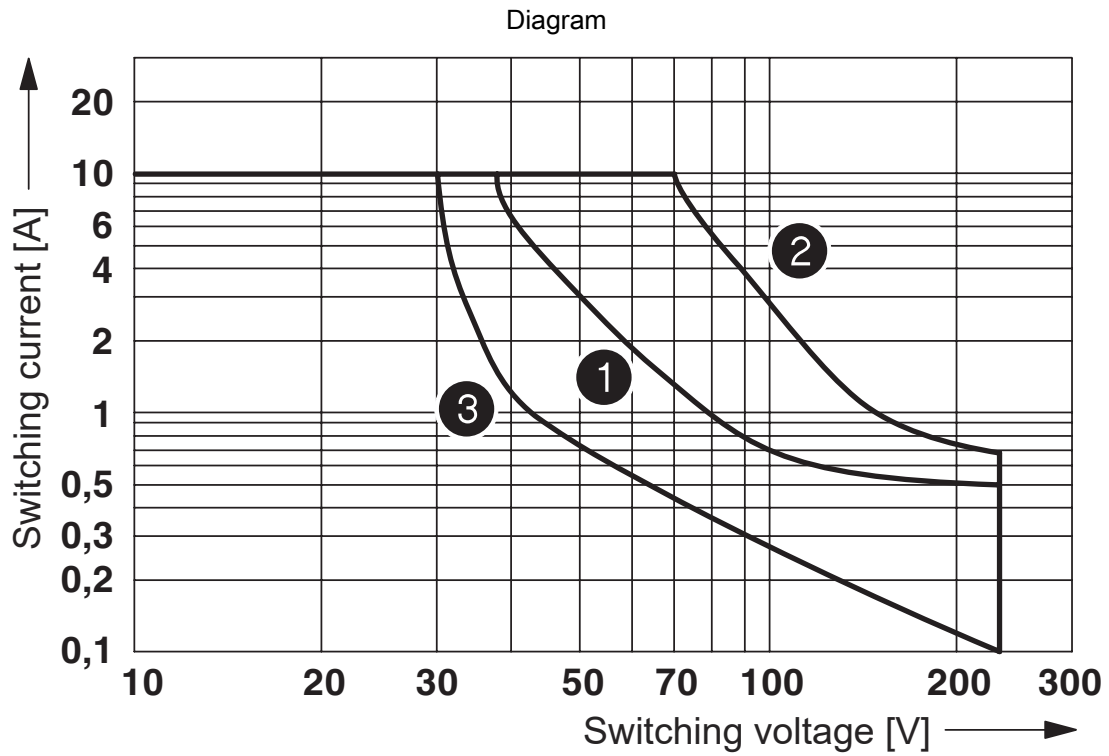
<https://www.phoenixcontact.com/us/products/2834698>

Diagram



- ① Ohmic load
- ② $\cos \phi = 0.4$

AC interrupting rating



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

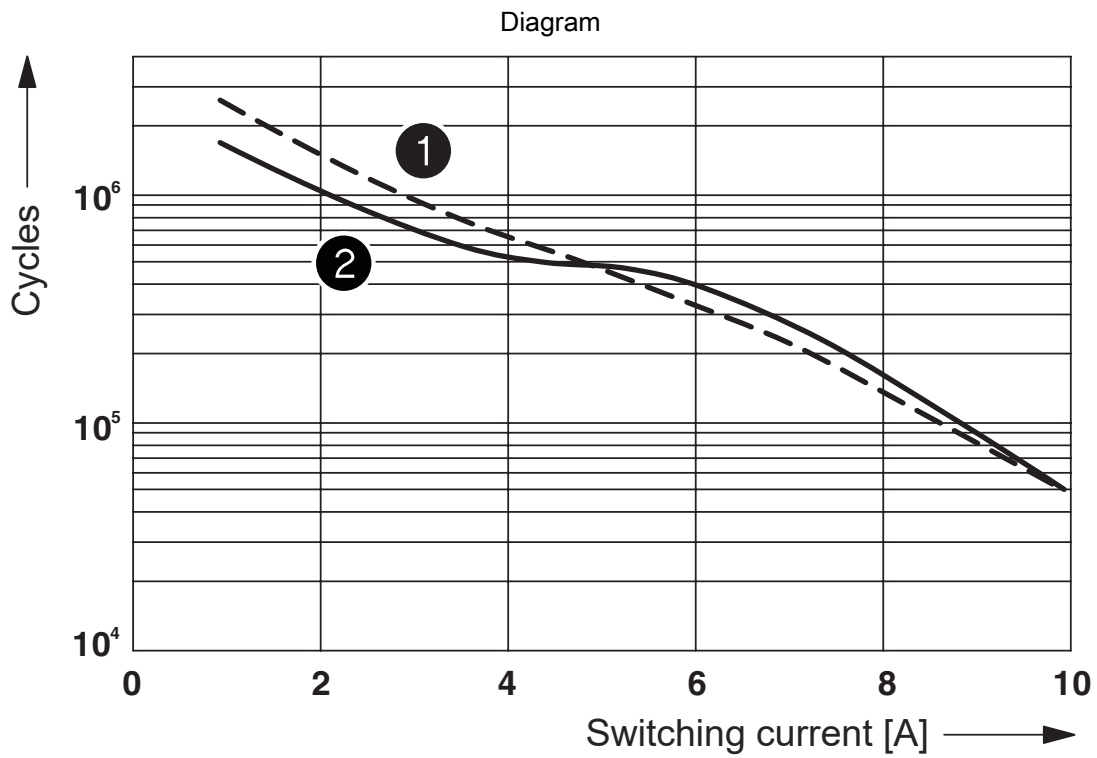
DC interrupting rating

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>



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

Electrical service life

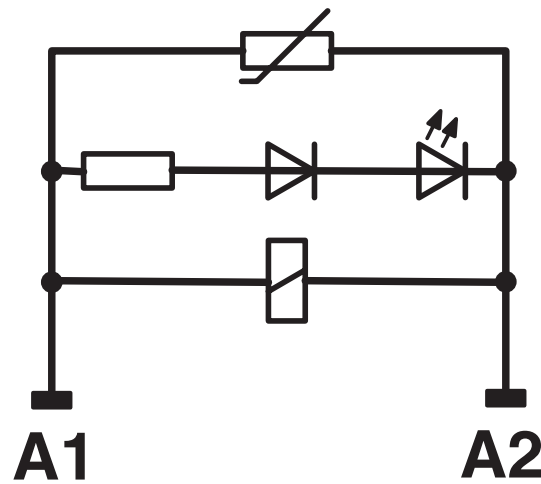
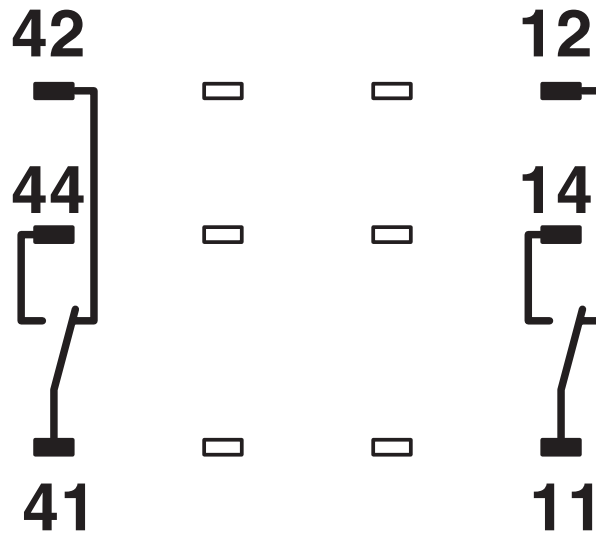
PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

Circuit diagram



AC coils

PR2-RSP3-LV- 24AC/2X21 - Relay module



2834698

<https://www.phoenixcontact.com/us/products/2834698>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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