

2834737

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Pre-assembled relay modules with screw connection, consisting of: relay base, industrial relay with integrated LED and engage/disengage manual actuate lever, varistor module, and retaining bracket. Input voltage: 24 V AC, 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
- Logical contact arrangement thanks to 1/3-level relay base
- 4-changeover contact types with multi-layer gold contacts
- Mechanical switch position indicator

Commercial data

Item number	2834737
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C463
Product key	CK631H
Catalog page	Page 397 (C-7-2015)
GTIN	4017918996291
Weight per piece (including packing)	121.21 g
Weight per piece (excluding packing)	117.66 g
Customs tariff number	85364900
Country of origin	CN

PR2-RSC3-LV- 24AC/4X21AU - Relay Module



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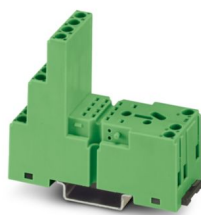
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Set consists of

PR2-BSC3/4X21 - Relay base

2833576

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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

REL-IR/L- 24AC/4X21AU - Single relay

2834122

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Plug-in industrial relay with power contacts and additional hard gold plating, 4 changeover contacts, test button, status LED, mechanical switching position indicator, coil voltage: 24 V AC

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V- 12- 24UC - Plug-in module

2833864

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Plug-in module, for mounting on PR1 and PR2, with varistor, input voltage : 12 ... 24 V AC/DC ± 20 %

EL2-P35 - Retaining bracket

2833592

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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

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MP 2 - Marker labels

2833644

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Equipment marker, labeling surface 9 x 25 mm



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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	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	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.	120 W (at 24 V DC)
	100 W (at 48 V DC)
	78 W (at 60 V DC)

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2834737

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	55 W (at 110 V DC)
	80 W (at 220 V DC)
	1250 VA (for 250 V AC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	7 mm
Conductor cross section rigid	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

Contact side

Connection method	Screw connection
Stripping length	7 mm
Conductor cross section rigid	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

Dimensions

Width	27 mm
Height	78.5 mm
Depth	86 mm

Material specifications

Color	green (RAL 6021)
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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

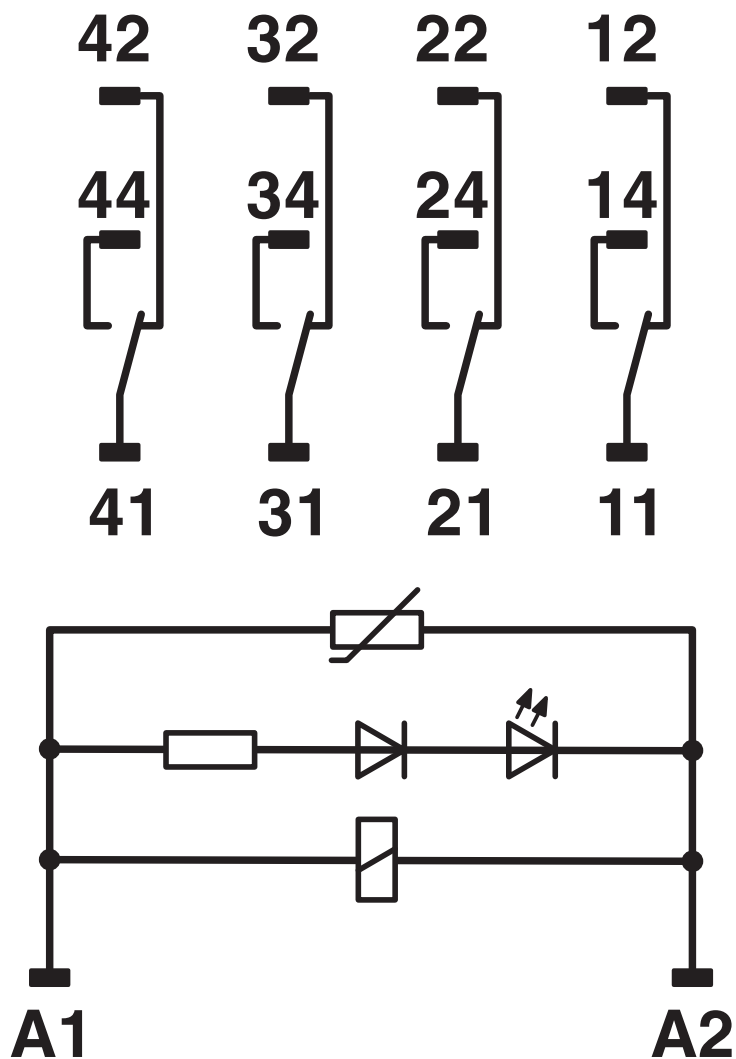
Standards/regulations	IEC 60664
	EN 50178

Mounting

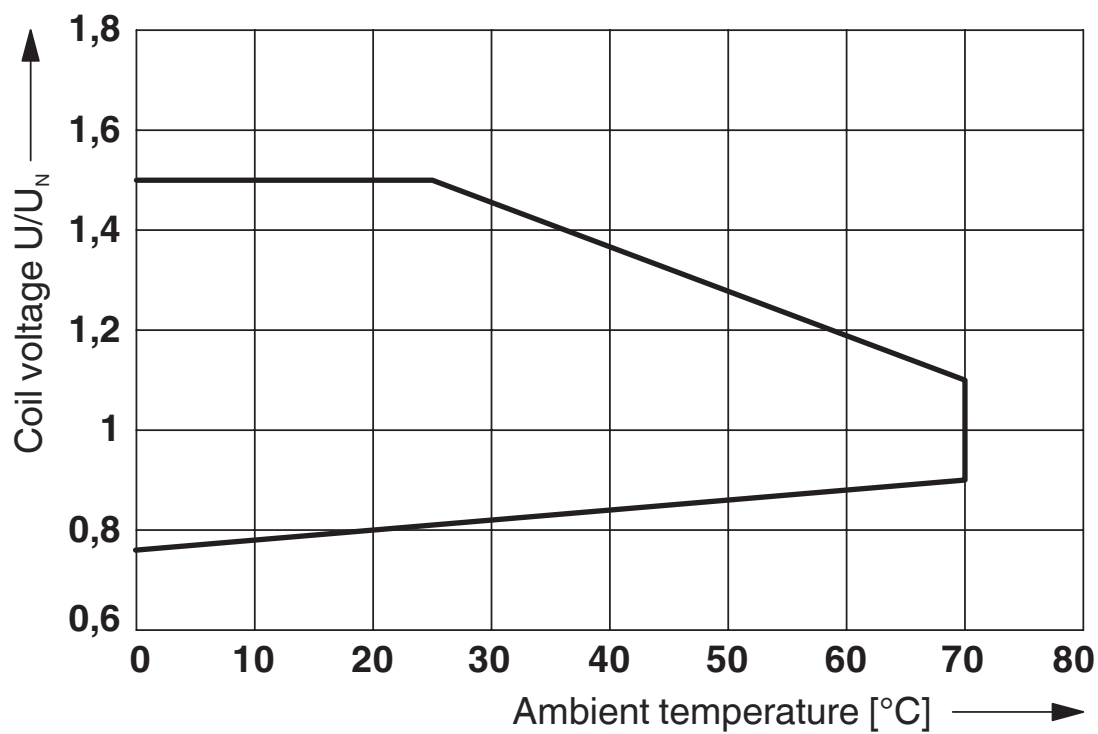
Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

Drawings

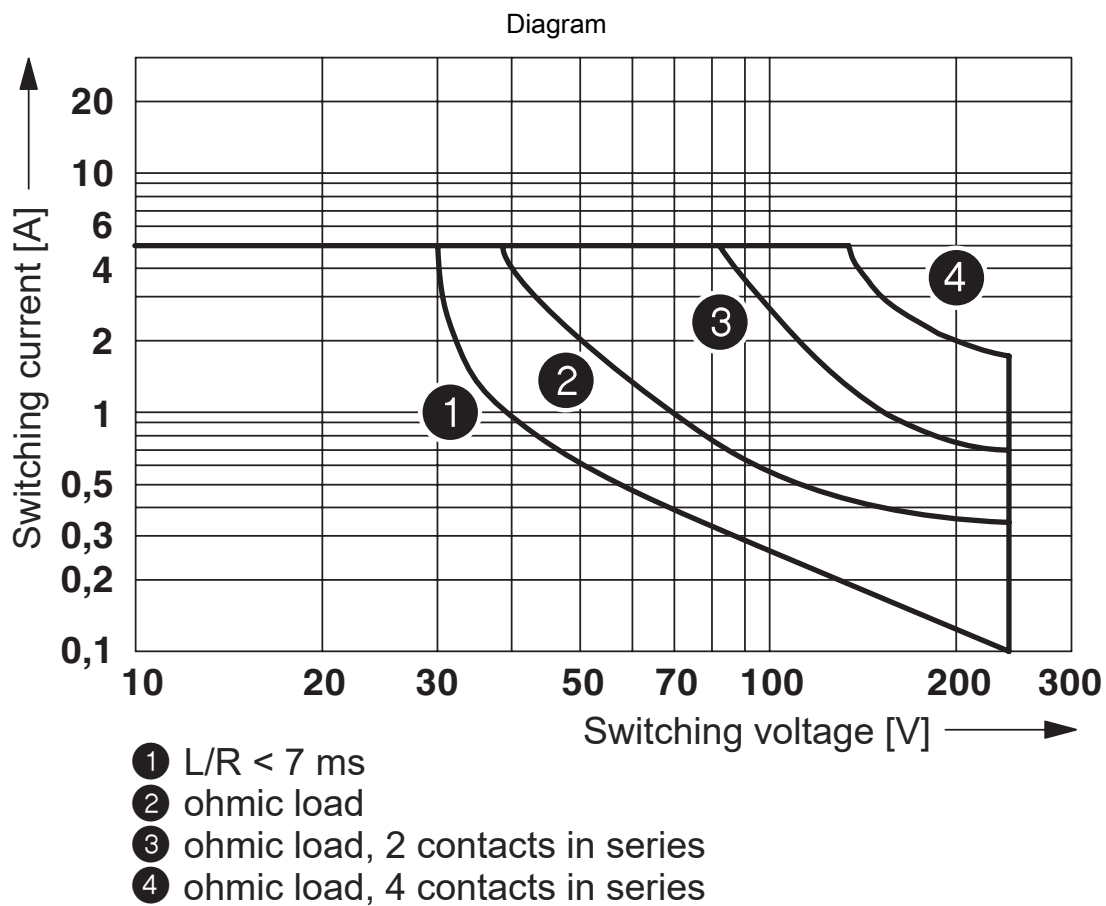
Circuit diagram



Diagram

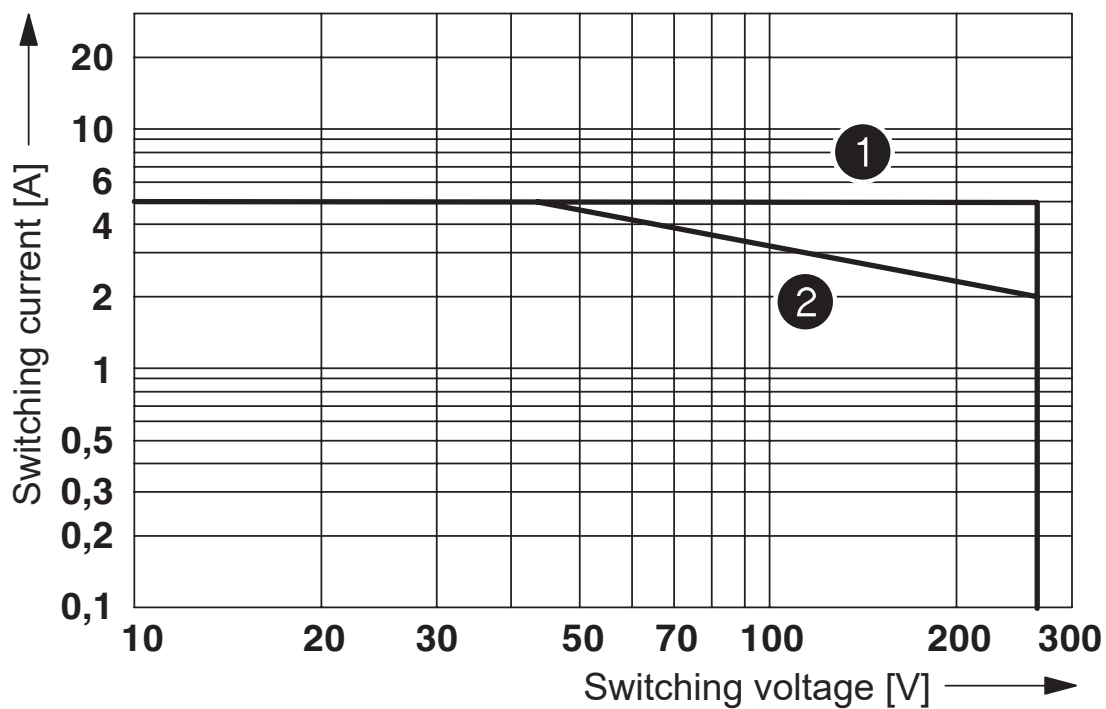


Operating voltage range of relay $T_u = T_{coil}$



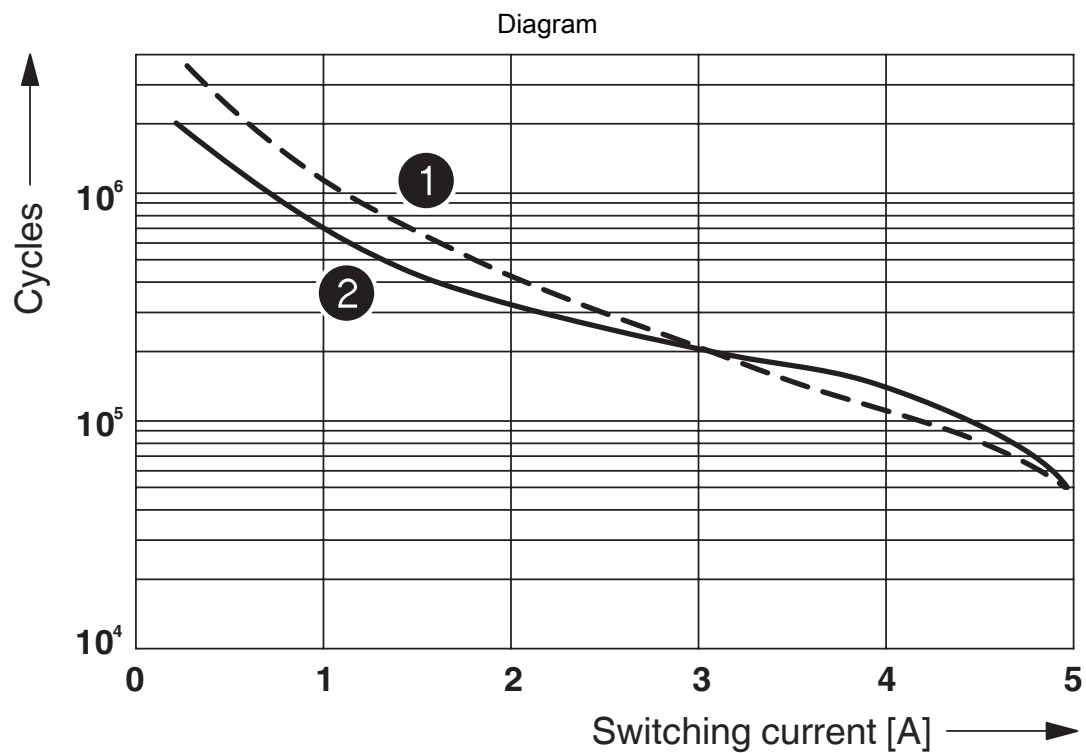
DC interrupting rating

Diagram



- ① Ohmic load
- ② $\cos \varphi = 0.4$

AC interrupting rating



① 250 V AC, ohmic load

② 30 V DC, ohmic load

Electrical service life

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Classifications

ECLASS

ECLASS-11.0	27371601
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UNSPSC

UNSPSC 21.0	39122334
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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