

PR2-RSC3-LV-120AC/2X21 - Relay Module



2834669
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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 protective module, and relay retaining bracket. Input voltage: 120 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	2834669
Packing unit	5 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Product key	CK631A
Catalog page	Page 396 (C-7-2015)
GTIN	4017918996246
Weight per piece (including packing)	121.44 g
Weight per piece (excluding packing)	117.14 g
Customs tariff number	85364900
Country of origin	JP

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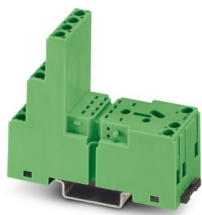
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Set consists of

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-120AC/2X21 - Single relay

2834067

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

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V-120-230UC - Plug-in module

2833880

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Plug-in module, with varistor, input voltage: 120 ... 230 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	3

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)

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72 W (at 110 V DC)
130 W (at 220 V DC)
2500 VA (for 250 V AC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
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
Screw thread	M3
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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

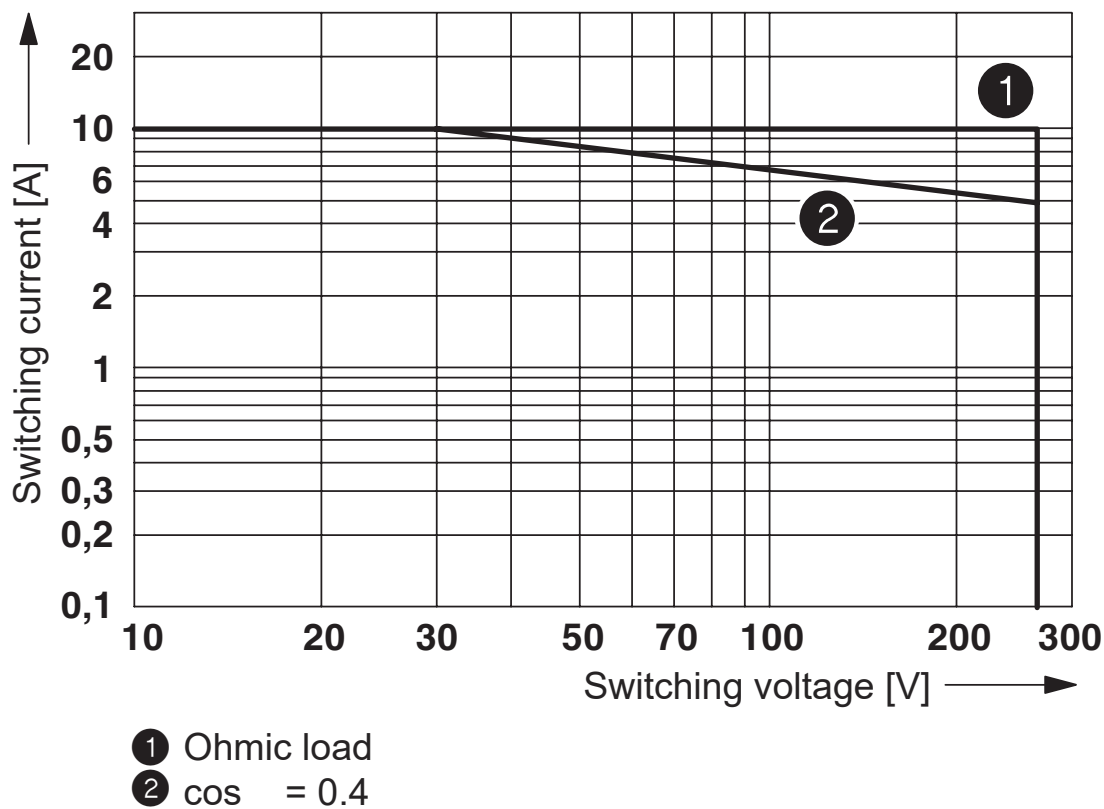
Standards/regulations	IEC 60664
	EN 50178

Mounting

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

Drawings

Diagram



AC interrupting rating

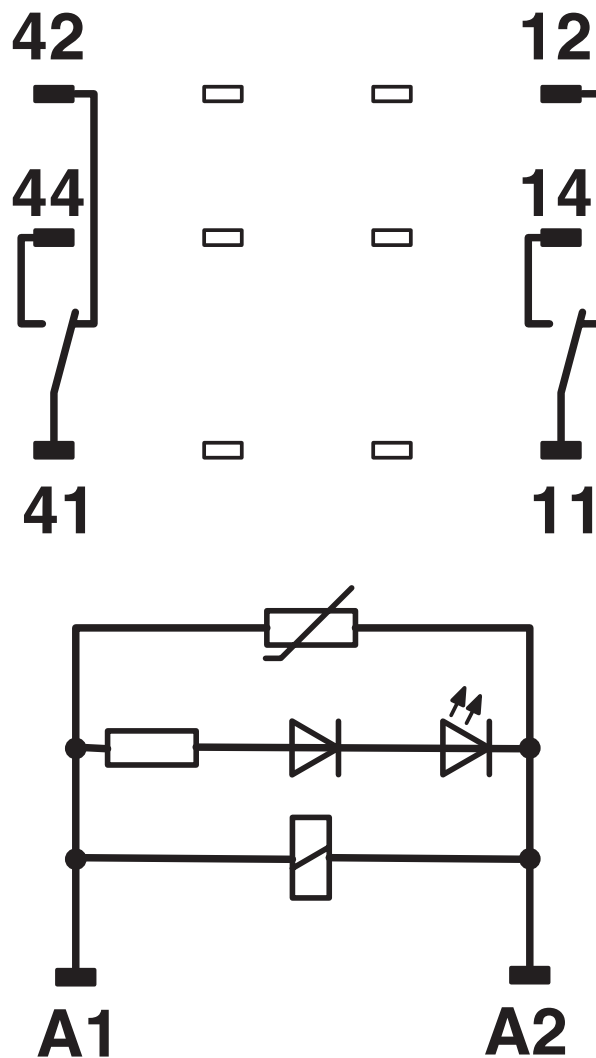
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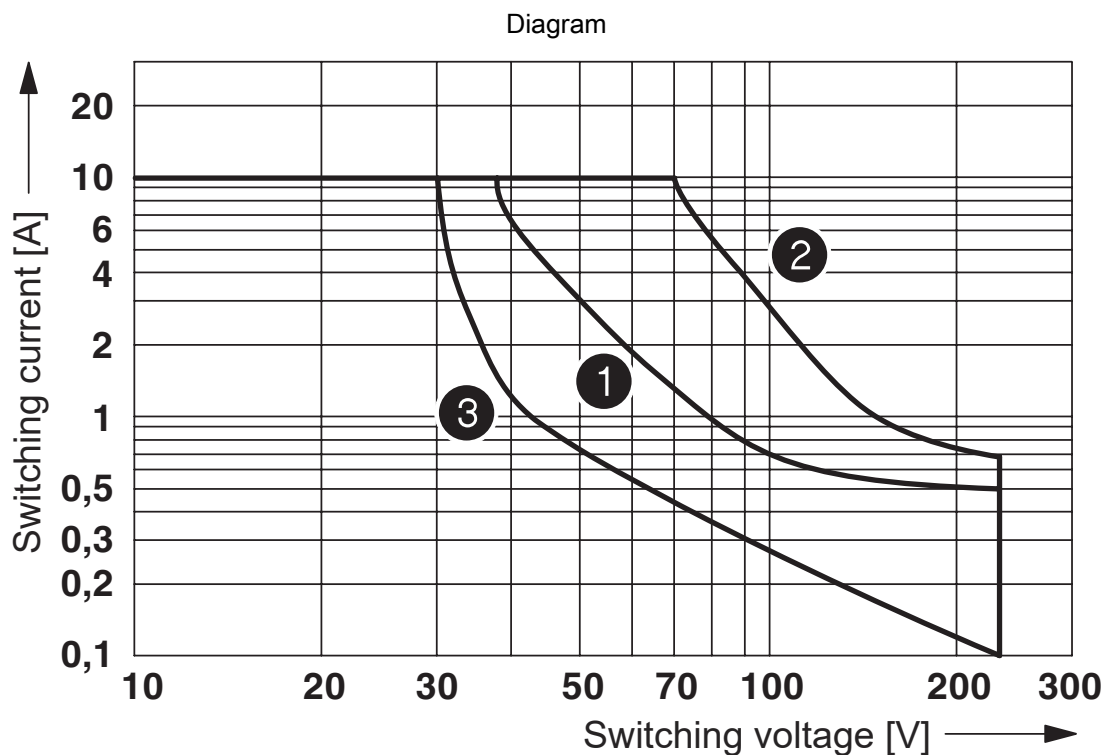
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Circuit diagram

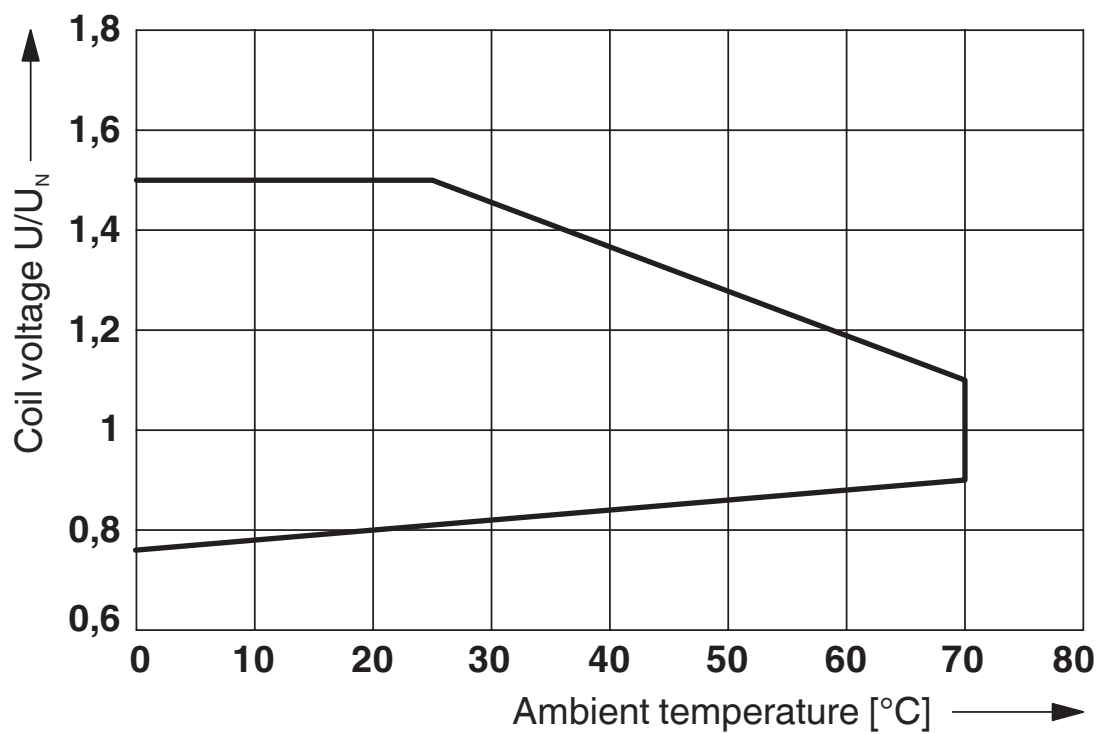




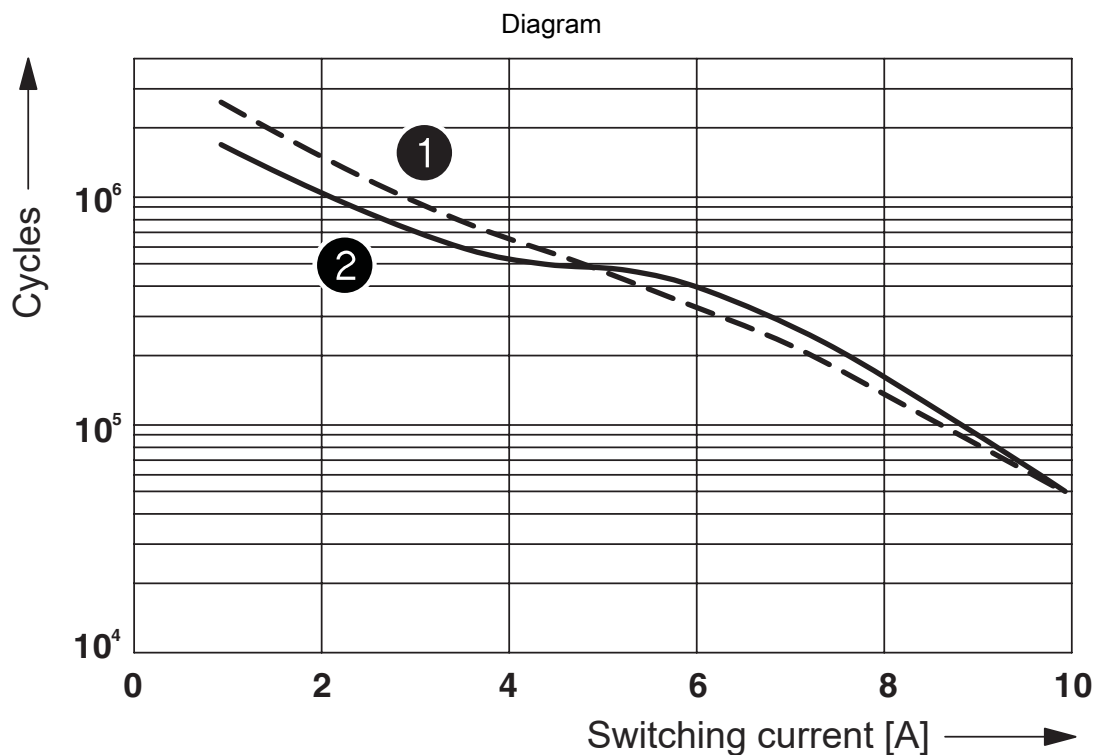
- ① Ohmic load
- ② ohmic load, contacts in series
- ③ L/R < 7 ms

DC interrupting rating

Diagram



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



- 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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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