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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Relay Module - PR2-RSP3-LDP-24DC/4X21AU - 2834766

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Preassembled relay modules with spring-cage connection, consisting of a relay base, industrial relay with integrated LED, free-wheeling diode and engage/disengage manual actuate lever and retaining bracket. Input voltage: 24 V DC, four PDTs with gold-plated contacts, 5 A


The figure shows the 24 V DC version

Why buy this product

- ✓ 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 PDT types with multi-layer gold contacts

RoHS

Key Commercial Data

Packing unit	5 STK
GTIN	 4 046356 044585
GTIN	4046356044585

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	31 mm
Height	95 mm
Depth	84 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

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Technical data

Coil side

Nominal input voltage U_N	24 V DC
Typical input current at U_N	38 mA
Typical response time	13 ms
Typical release time	5 ms
Protective circuit	Damping diode
Operating voltage display	Green LED
Power dissipation for nominal condition	0.91 W

Contact side

Contact type	4 PDTs
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Min. switching current	1 mA
Maximum inrush current	12 A (15 ms)
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	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)
	1250 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2 kV (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	5×10^7 cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil side
Connection method	Spring-cage connection
Stripping length	10 mm
Conductor cross section solid	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

Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178

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Technical data

Standards and Regulations

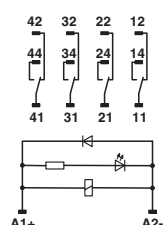
Degree of pollution	2
Overvoltage category	II

Environmental Product Compliance

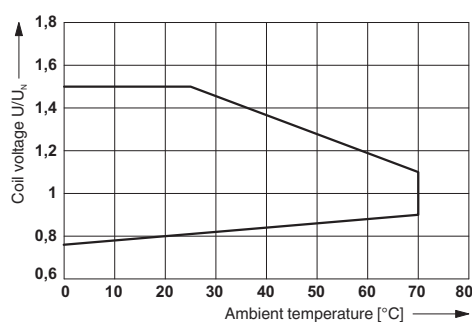
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram

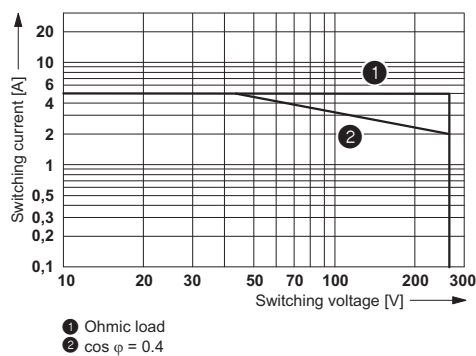


Diagram



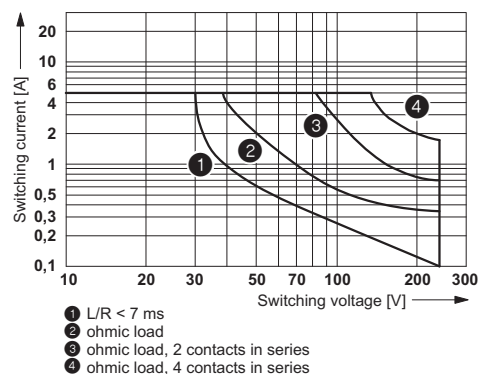
Operating voltage range of relay $T_u = T_{\text{coil}}$

Diagram



AC interrupting rating

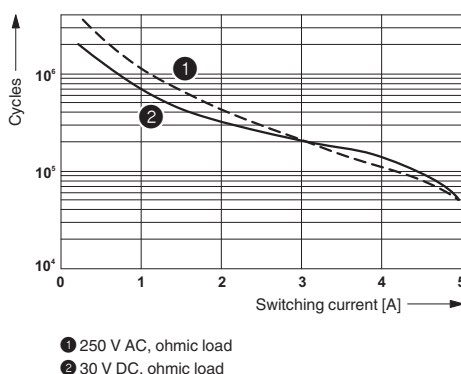
Diagram



DC interrupting rating

Relay Module - PR2-RSP3-LDP-24DC/4X21AU - 2834766

Diagram



Electrical service life

Articles in set

Relay base - PR2-BSP3/4X21 - 2833589



Relay base PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, spring-cage connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

Single relay - REL-IR/LDP- 24DC/4X21AU - 2834096



Pluggable industrial relays with power contacts and additional hard gold plating, 4 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+, A2-, coil voltage: 24 V DC

Retaining bracket - EL2-P35 - 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

Approvals

Approvals

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EAC

Relay Module - PR2-RSP3-LDP-24DC/4X21AU - 2834766

Approvals

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01082
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>