


PR2-RSC3-LDP-24DC/2X21

Order No.: 2834643



Preassembled relay modules with screw connection, consisting of: Relay socket, industrial relay with integrated LED, free-wheeling diode and engage/disengage manual actuate lever, and retaining bracket. Input voltage: 24 V DC, two PDTs, 10 A



Commercial data	
EAN	4  046356 044530
Pack	5
Customs tariff	85364900
Gross weight in pieces	114.70 g
Country of Origin	DE
Catalog page information	Page 78 (IF-2011)

Product notes

WEEE/RoHS-compliant since: 22/08/2006



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Coil side	
Nominal input voltage U_N	24 V DC
Nominal input current at U_{IN}	38 mA
Typical response time	13 ms
Typical release time	5 ms

Operating voltage display	Green LED
Protective circuit	Damping diode

Contact side

Contact type	Single contact, 2-PDT
Contact material	Ag
Maximum switching voltage	250 V AC 125 V DC
Minimum switching voltage	5 V
Maximum inrush current	20 A (15 ms)
Min. switching current	1 mA
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA

General data

Width	27 mm
Height	78.5 mm
Depth	86 mm
Test voltage relay winding/relay contact	2 kV (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV (50 Hz, 1 min.)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Operating mode	100% operating factor
Mechanical service life	5 x 10 ⁷ cycles
Standards/regulations	IEC 60664 EN 50178 IEC 62103
Pollution degree	3
Surge voltage category	II
Mounting position	Any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.14 mm ²

Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Stripping length	7 mm
Screw thread	M3

Certificates

Certification

Certifications applied for:

Certification Ex:

Product Sets

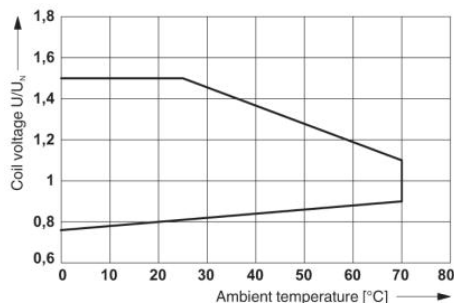
Item	Designation	Description
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Allgemein

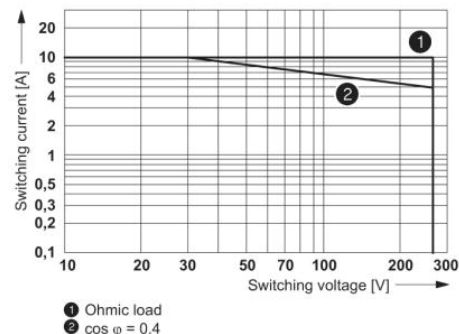
2833592	EL2-P35	Relay retaining bracket, with eject function and integrated equipment marking area (8 x 25 mm), to suit relay socket PR2, for 35 mm high industrial relay
2833576	PR2-BSC3/4X21	Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 1/3-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5
2834025	REL-IR/LDP- 24DC/2X21	Pluggable industrial relays with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity A1+ , A2- , input voltage 24 V DC

Drawings

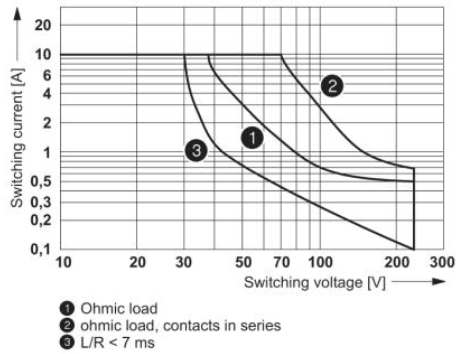
Diagram



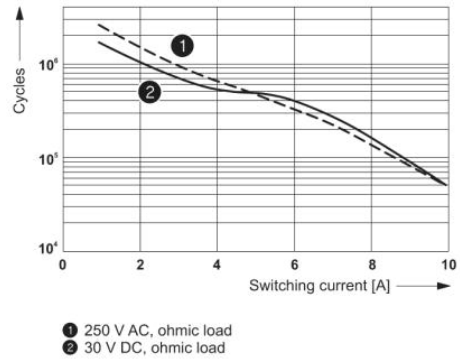
Operating voltage range of relay $T_u = T_{coil}$



AC interrupting rating

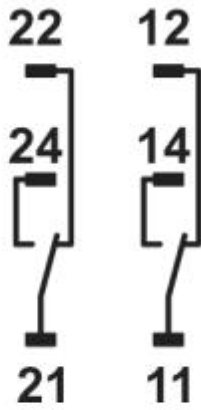


DC interrupting rating

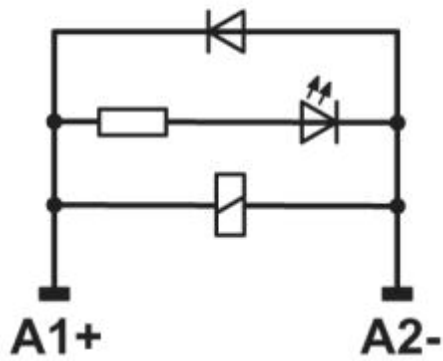


Electrical service life

Circuit diagram



DC coils



Address

PHOENIX CONTACT Ltd
Halesfield 13
Telford / Shropshire / TF7 4PG,England
Phone 01952 681 700
Fax 01952 681 799
<http://www.phoenixcontact.co.uk>



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