

REL-IR/LDM- 12DC/2X21

Order No.: 2834151

The figure shows version: REL-IR/LDP- 24DC/2X21



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2834151>

Pluggable industrial relay with power contacts, 2 PDT, test button, status LED, free-wheeling diode, mechanical switch position indicator, polarity **A1-**, **A2+**, input voltage 12 V DC

Commercial data

EAN	 4 017918 941697
sales group	G082
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.03822 KG
Net weight per piece	0.03822 KG
Catalog page information	Page 380 (C-7-2013)

Product notes

WEEE/RoHS-compliant since:
03/31/2006



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Technical data

Dimensions

Width	21.5 mm
Height	28 mm
Depth	36 mm

Ambient conditions

Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 70 °C

Coil side

Nominal input voltage U_N	12 V DC
Typical input current at U_N	75 mA
Typical response time	13 ms
Typical release time	5 ms
Coil resistance	160 Ω $\pm$ 15 % (at 20 °C)

Contact side

Contact type	2 PDT
Contact material	Ag
Maximum switching voltage	250 V AC/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 (for 250 V AC)

General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	5 x 10 ⁷ cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Pollution degree	2
Surge voltage category	II
Mounting position	any
Assembly instructions	On relay base PR2

Connection data

Connection method	Plug / solder connection
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Certificates / Approvals



Certification

cULus Listed, VDE Gutachten mit Fertigungsüberwachung

Certifications applied for:

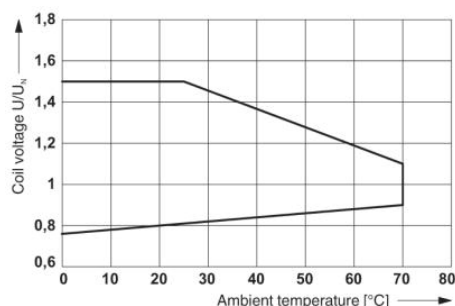
Certification Ex:

Additional products

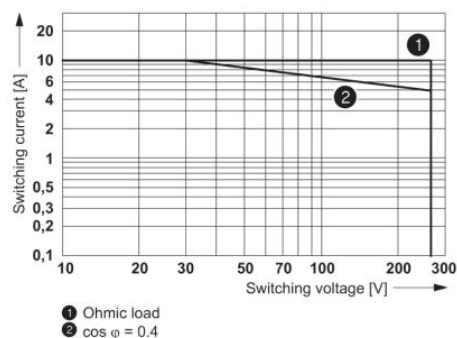
Item	Designation	Description
General		
2833563	PR2-BSC2/4X21	Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 2/2-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5
2833576	PR2-BSC3/4X21	Relay socket PR2-B, for industrial 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
2833589	PR2-BSP3/4X21	Relay socket 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

Drawings

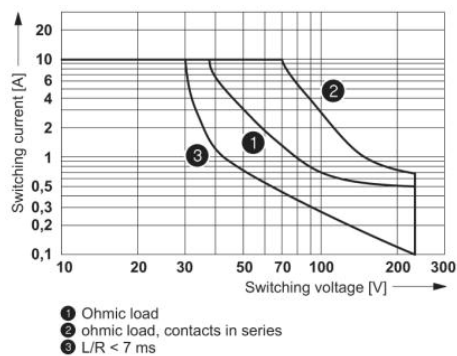
Diagram



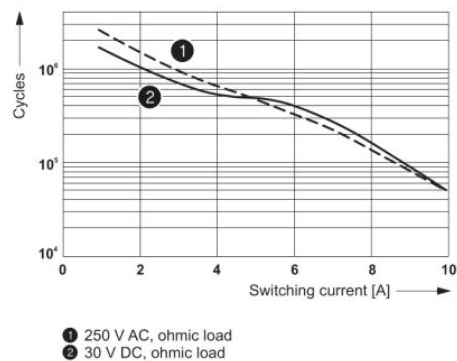
Operating voltage range



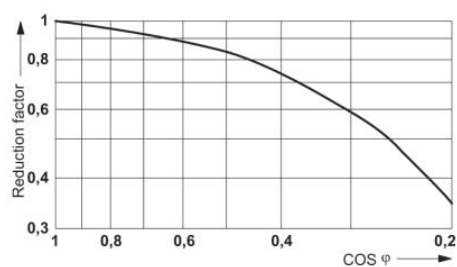
AC interrupting rating



DC interrupting rating

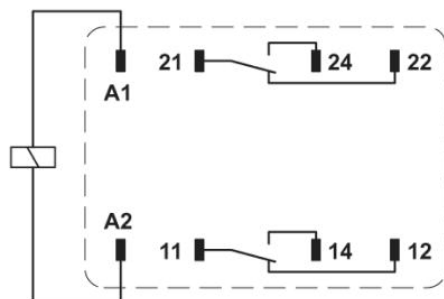


Electrical service life



Service life reduction factor

Circuit diagram



Shown without LED and damping diode.

Contacts 21, 22, 24 are led onto relay socket connections 41, 42, 44.

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