

REL-IR/LDP- 12DC/2X21

Order No.: 2834012

The figure shows the version: REL-IR/LDP- 24DC/2X21A version with a green relay cap and manual operation with snap-in function available only from the second quarter of 2009.



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834012>

Pluggable industrial relays 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	
GTIN (EAN)	4017918941611
sales group	G082
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.03824 KG
Catalog page information	Page 60 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
08/06/2008



<http://www.download.phoenixcontact.com>
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. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Coil side	
Nominal input voltage U_N	12 V DC
Input voltage range in reference to U_N	(refer to the diagram)
Nominal input current at U_{IN}	75 mA
Typical response time	13 ms

Typical release time	5 ms
Coil resistance	160 Ω +/-15% (at 20°C)

Contact side

Contact type	Single contact, 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 data

Width	21.5 mm
Height	36 mm
Depth	28 mm
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)
Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	5 x 10 ⁷ cycles
Standards/regulations	EN 50178 IEC 62103
Pollution degree	2
Surge voltage category	II
Mounting position	Any
Assembly instructions	On relay base PR2

Connection data

Type of connection	Plug / solder connection
--------------------	--------------------------

Certificates / Approvals

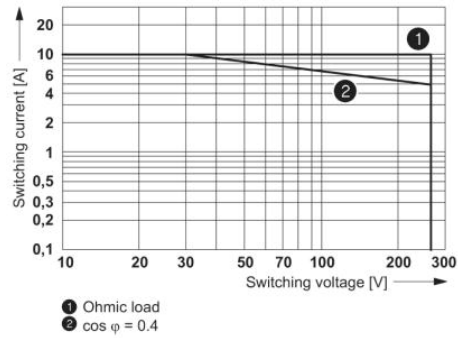
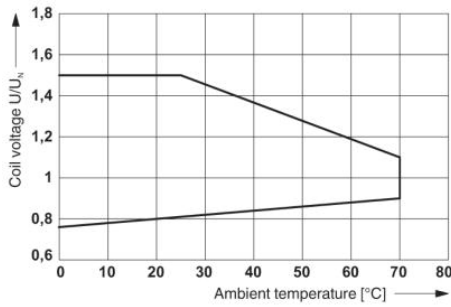


Certification

CUL Listed, UL Listed, VDE-PZI

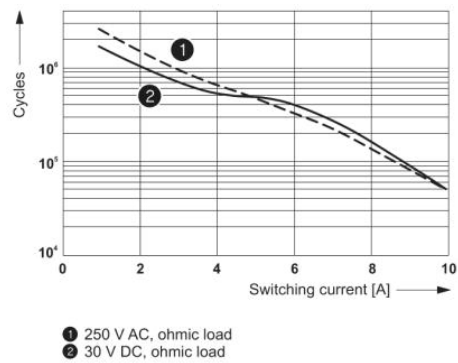
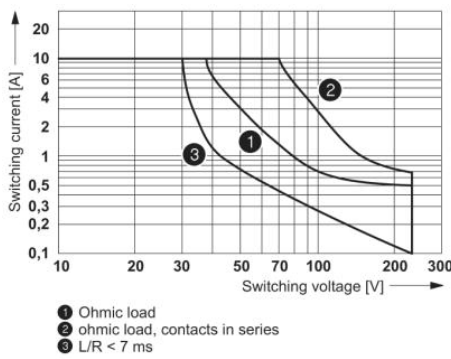
Diagrams/Drawings

Diagram



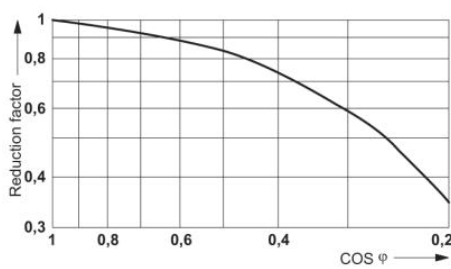
Operating voltage range

AC interrupting rating



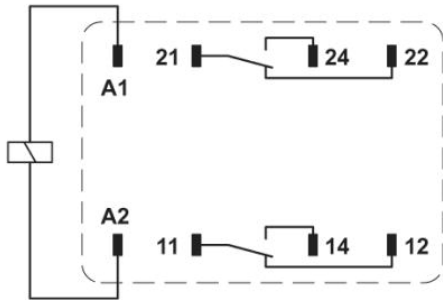
DC interrupting rating

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.

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2010 Phoenix Contact
Technical modifications reserved;