

# REL-IR/LDM- 24DC/4X21AU


Order No.: 2834203

The figure shows the version: REL-IR/LDP- 24DC/4X21 AU



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2834203>

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

Commercial data	
EAN	 4 017918 941734
sales group	G082
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.0385 KG
Net weight per piece	0.0385 KG
Catalog page information	Page 380 (C-7-2013)

### Product notes

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



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Technical data	
<b>Dimensions</b>	
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 $U_N$	24 V DC
Typical input current at $U_N$	38 mA
Typical response time	13 ms
Typical release time	5 ms
Coil resistance	630 $\Omega$ $\pm$ 15 % (at 20 °C)

#### Contact side

Contact type	4 PDTs
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Maximum inrush current	12 A (15 ms)
Min. switching current	1 mA
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 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 <sup>7</sup> 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:

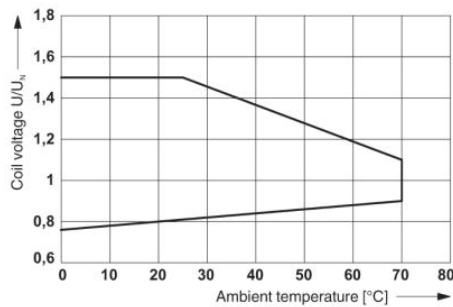
Certification Ex:

**Additional products**

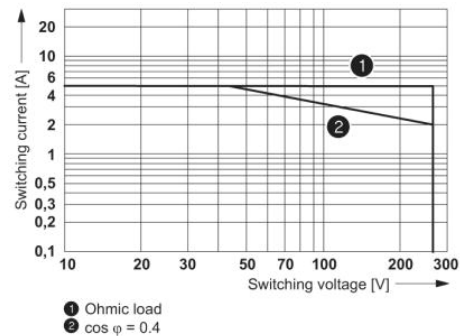
Item	Designation	Description
<b>General</b>		
2833563	PR2-BSC2/4X21	Relay socket PR2-B, for industrial relay REL-IR with 2 or 4 PDT, 2/2-level version, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5
2833576	PR2-BSC3/4X21	Relay socket PR2-B,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

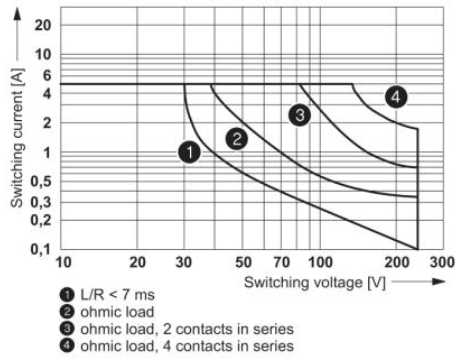
Diagram



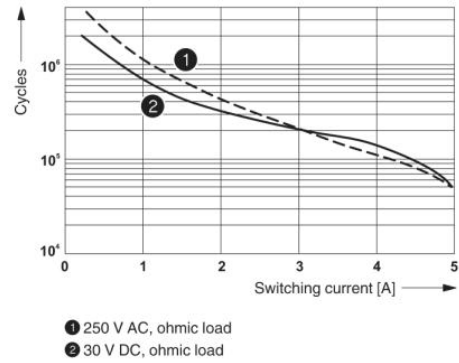
Operating voltage range



AC interrupting rating

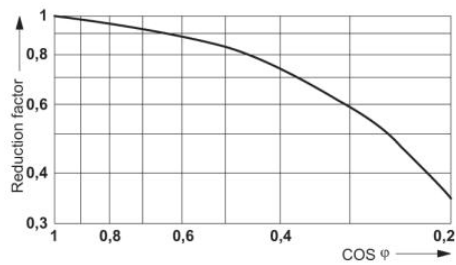


DC interrupting rating

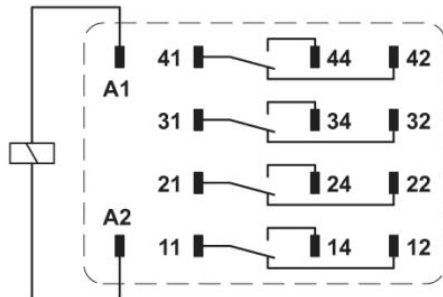


Electrical service life

Service life reduction factor



Circuit diagram



Shown without LED and damping diode.

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