


# REL-IR2/LDP- 24DC/2X21

Order No.: 2903660



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Plug-in industrial relay with power contacts, 2 PDTs, test key, status LED, freewheeling diode, mechanical switch position indicator, polarity: A1+, A2-, input voltage: 24 V DC

Commercial data	
EAN	4 046356 758130 
sales group	G082
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.035936 KG
Net weight per piece	0.03514 KG
Catalog page information	Page 292 (C-7-2013)

## Product notes

WEEE/RoHS-compliant since:  
07/03/2012



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Technical data	
<b>Dimensions</b>	
Width	21.2 mm
Height	35.6 mm
Depth	27.5 mm

**Ambient conditions**

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

**Coil side**

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	41 mA
Typical response time	13 ms
Typical release time	14 ms
Status display	Yellow LED
Protective circuit	Damping diode

**Contact side**

Contact type	2 PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Maximum inrush current	30 A (20 ms, N/O contact)
Min. switching current	5 mA (at 24 V)
Limiting continuous current	12 A
Interrupting rating (ohmic load) max.	288 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	48 W (at 220 V DC)
	3000 VA (for 250 V AC)
Switching capacity min.	0.12 W
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	3 A (at 120 V, AC15)
	1.5 A (at 240 V, AC15)

**General**

Test voltage relay winding/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
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Test voltage relay contact/relay contact	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 kV <sub>rms</sub> (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 2 x 10 <sup>7</sup> cycles
Designation	Air and creepage distances between the power circuits
Standards/regulations	IEC 61810
Rated insulation voltage	250 V AC
Pollution degree	3
Surge voltage category	III
Designation	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any
<b>Connection data</b>	
Connection method	Plug connection

#### Certificates / Approvals



Certification

CSA, cULus Recognized, VDE Zeichengenehmigung

Certifications applied for:

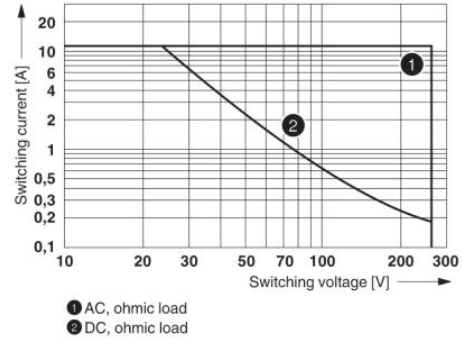
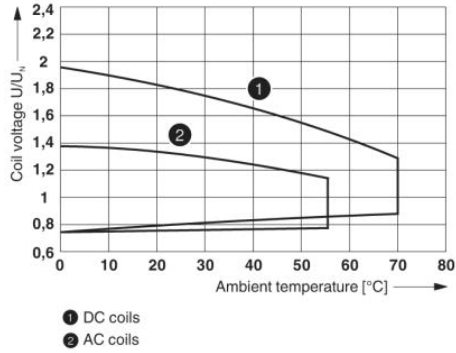
Certification Ex:

#### Accessories

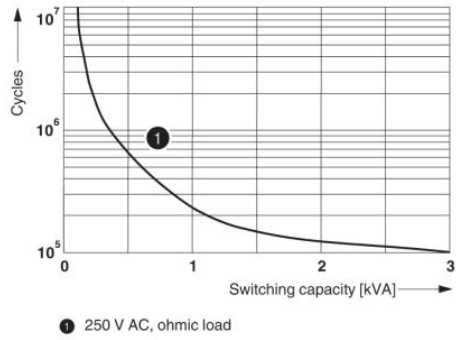
Item	Designation	Description
<b>Relay base</b>		
2900934	RIF-2-BPT/4X21	RIF-2... relay base, for industrial relay with 2 or 4 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

**Drawings**

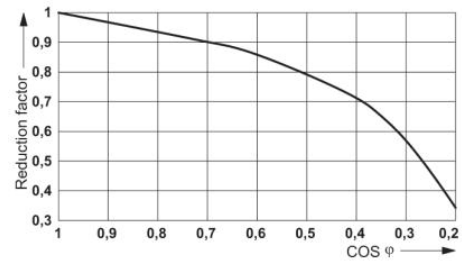
**Diagram**



**Operating voltage range**



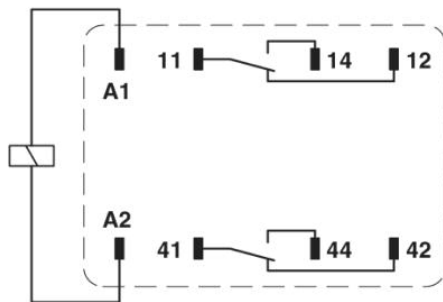
**Interrupting rating**



**Service life reduction factor**

**Electrical service life**

**Circuit diagram**



**Address**

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