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Extract from the online catalog

REL-IR/L-120AC/2X21


Order No.: 2834067

The figure shows version: REL-IR/L-230AC/2X21



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834067>

Plug-in industrial relay with power contacts, 2 PDTs, test button, status LED, mechanical switch setting display, input voltage: 120 V AC

Commercial data	
GTIN (EAN)	 4 017918 941802
sales group	G082
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 60 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
08/07/2006



<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	120 V AC
Nominal input current at U_{IN}	11 mA (at 50 Hz) 9 mA (At 60 Hz)
Typical response time	4 ms ... 10 ms (AC, depending on phase relation)

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Typical release time range	3 ms ... 12 ms (AC, depending on phase relation)
Coil resistance	4430 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	28 mm
Depth	36 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
Mechanical service life	5 x 10 ⁷ cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103
Pollution degree	3
Surge voltage category	II
Mounting position	Any
Assembly instructions	On relay base PR2
Connection data	
Type of connection	Plug / solder connection

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Certificates / Approvals

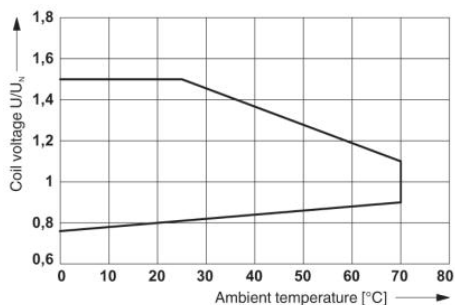


Certification

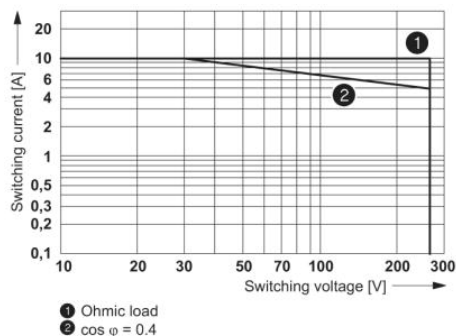
CUL Listed, UL Listed, VDE-PZI

Diagrams/Drawings

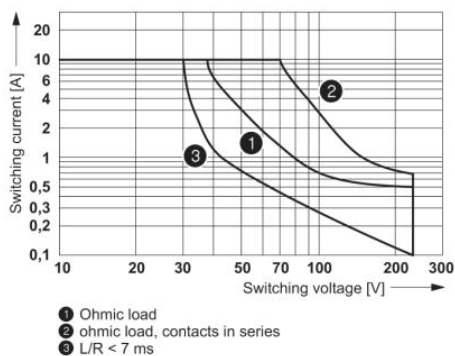
Diagram



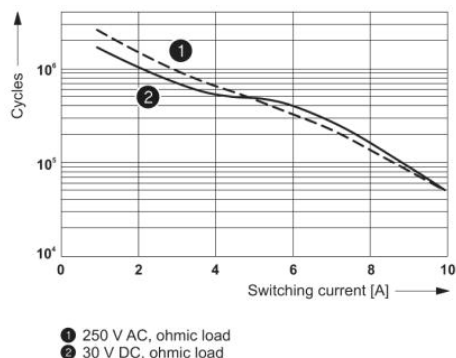
Operating voltage range



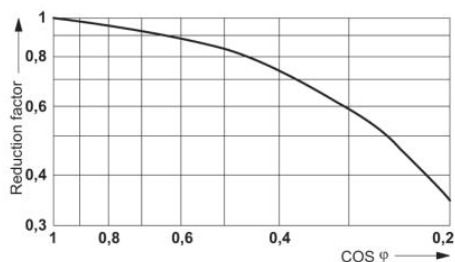
AC interrupting rating



DC interrupting rating



Electrical service life

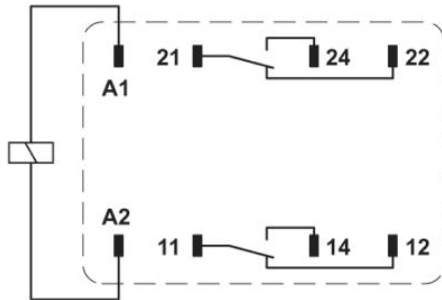


Service life reduction factor

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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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