


# REL-IR/L-230AC/2X21

Order No.: 2834070



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834070>

Plug-in industrial relay with power contacts, 2 PDTs, test button, status LED, mechanical switch setting display, input voltage: 230 V AC

Commercial data	
GTIN (EAN)	 4 017918 941819
sales group	G082
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 66 (IF-2011)

### Product notes

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



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## Technical data

Coil side	
Nominal input voltage $U_N$	230 V AC
Nominal input current at $U_{IN}$	5 mA (at 50 Hz) 4 mA (At 60 Hz)
Typical response time	4 ms ... 10 ms (AC, depending on phase relation)

Typical release time range	3 ms ... 12 ms (AC, depending on phase relation)
Coil resistance	18790 $\Omega$ +/-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 <sup>7</sup> 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

Connection method	Plug / solder connection
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Certificates / Approvals

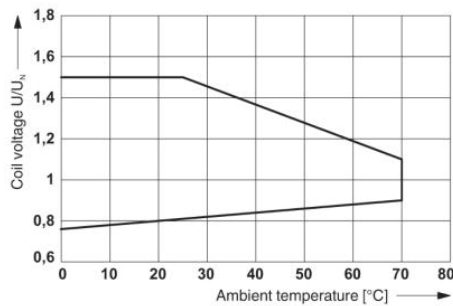


Certification

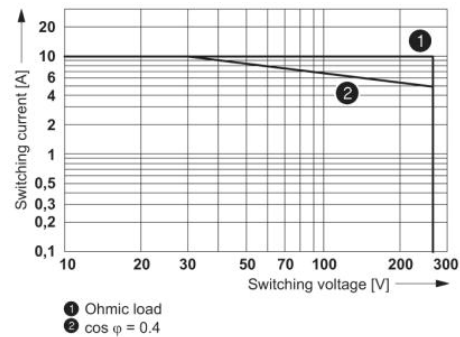
CUL Listed, UL Listed, VDE-PZI

Diagrams/Drawings

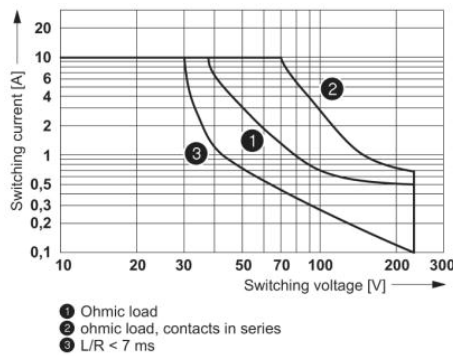
Diagram



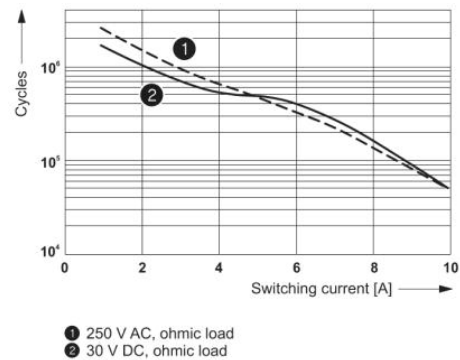
Operating voltage range



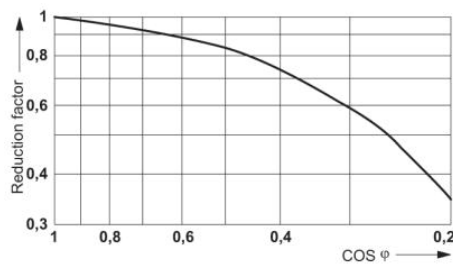
AC interrupting rating



DC interrupting rating

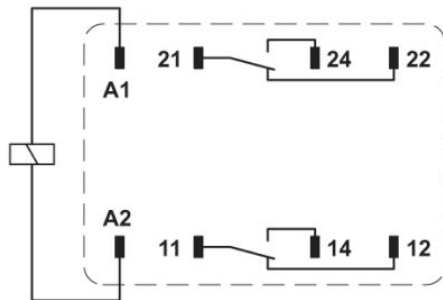


Electrical service life



Service life reduction factor

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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