

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)  
[2834135](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Extract from the online catalog

## REL-IR/L-120AC/4X21AU


Order No.: 2834135

The figure shows version: REL-IR/L-230AC/4X21 AU



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834135>

Plug-in industrial relay with power contacts and additional hard gold plating, 4 PDTs, test button, status LED, mechanical switch setting display, coil voltage: 120 V AC

Commercial data	
GTIN (EAN)	 4 017918 941826
sales group	G082
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 60 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
03/30/2007



<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)

REL-IR/L-120AC/4X21AU Order No.: 2834135

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834135>

Typical release time range	3 ms ... 12 ms (AC, depending on phase relation)
Coil resistance	4430 Ω +/-15% (at 20°C)
<b>Contact side</b>	
Contact type	Single contact, 4-PDT
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)
<b>General data</b>	
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	2
Surge voltage category	II
Mounting position	Any
Assembly instructions	On relay base PR2
<b>Connection data</b>	
Type of connection	Plug / solder connection

REL-IR/L-120AC/4X21AU Order No.: 2834135  
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834135>

**Certificates / Approvals**

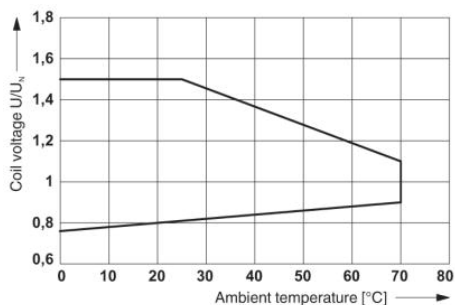


Certification

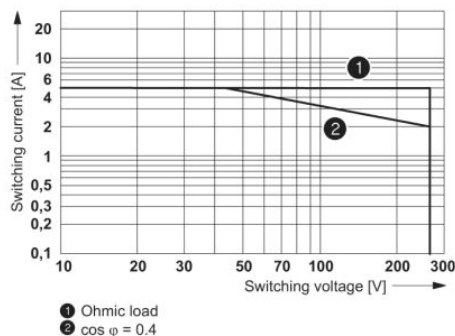
CUL Listed, UL Listed, VDE-PZI

**Diagrams/Drawings**

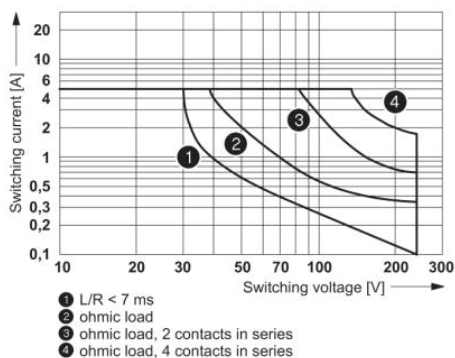
Diagram



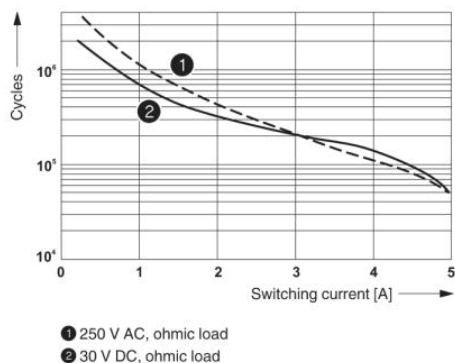
Operating voltage range



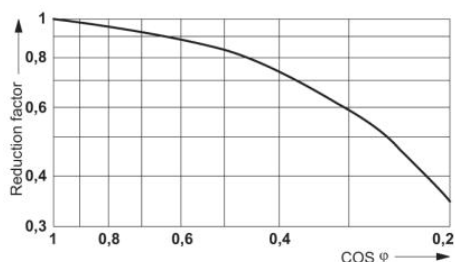
Interrupting rating



DC interrupting rating



Electrical service life

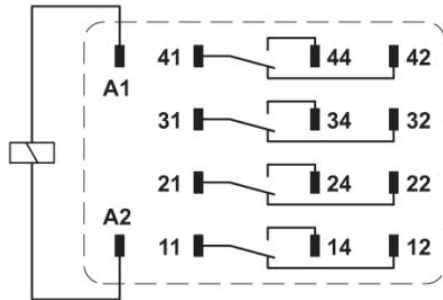


Service life reduction factor

REL-IR/L-120AC/4X21AU Order No.: 2834135

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834135>

Circuit diagram



Shown without LED and damping diode.

REL-IR/L-120AC/4X21AU Order No.: 2834135

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834135>

---

#### Address

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;