

# REL-IR-BL/L-230AC/4X21 - Single relay



1032531

<https://www.phoenixcontact.com/in/products/1032531>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Plug-in industrial relay with power contacts, 4 changeover contacts, test button, status LED, mechanical switch position indicator, input voltage: 230 V AC

## Commercial Data

Item number	1032531
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6193
GTIN	4055626537047
Weight per Piece (including packing)	31.232 g
Weight per Piece (excluding packing)	30.02 g
Customs tariff number	85364900
Country of origin	AT

## Technical Data

### Notes

Notes on operation	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Notes on operation	The outputs are not suitable for switching different outer conductors.
Notes on operation	Do not use to separate SELV / PELV circuits from other circuits, because safe isolation is not guaranteed.

### Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles

### Insulation characteristics

Insulation	Basic insulation
------------	------------------

### Insulation characteristics: Air clearances and creepage distances between coil and contact side

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1 VA
Test voltage (Winding/contact)	2.5 kV <sub>rms</sub> (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2 kV <sub>rms</sub> (50 Hz, 1 min., changeover contact/changeover contact)

### Air clearances and creepage distances between coil and contact side

Rated insulation voltage	250 V AC
Rated surge voltage	5 kV

### Input data

#### Coil side

Nominal input voltage U <sub>N</sub>	230 V AC
Input voltage range	184 V AC ... 379.5 V AC (20 °C)
Mains frequency	50/60 Hz
Typical input current at U <sub>N</sub>	4.4 mA (50 Hz)
Typical response time	5 ms ... 15 ms
Typical release time range	5 ms ... 20 ms
Coil voltage	230 V AC
Status display	Yellow LED

### Output data

# REL-IR-BL/L-230AC/4X21 - Single relay



1032531

<https://www.phoenixcontact.com/in/products/1032531>

## Switching

Contact type	4 changeover contacts
Type of switch contact	Single contact
Drive and function	monostable
Drive (polarity)	bipolar
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (10 mA)
Limiting continuous current	6 A
Maximum inrush current	12 A (20 ms, N/O contacts)
Min. switching current	10 mA (12 V)
Interrupting rating (ohmic load) max.	144 W (24 V DC) 130 W (48 V DC) 90 W (60 V DC) 66 W (110 V DC) 88 W (220 V DC) 1500 VA (250 V AC)
Switching capacity min.	120 mW

## Connection data

Connection method	Plug-in connection
-------------------	--------------------

## Dimensions

Width	22.5 mm
Height	28 mm
Depth	35.5 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	RT II
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances between coil and contact side

Standards/regulations	EN 61810-1
-----------------------	------------

## Mounting

Mounting type	Plug-in mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

# REL-IR-BL/L-230AC/4X21 - Single relay

1032531

<https://www.phoenixcontact.com/in/products/1032531>



Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)