

REL-IR/L-230AC/4X21AU - Single relay



2834148

<https://www.phoenixcontact.com/gb/products/2834148>

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Plug-in industrial relay with power contacts and additional hard gold plating, 4 changeover contacts, test button, status LED, mechanical switching position indicator, coil voltage: 230 V AC

Your advantages

- With detectable manual operation
- DC types with integrated freewheeling diode
- Mechanical switch position indicator
- Integrated status LED

Commercial data

Item number	2834148
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	DK6193
Product key	DK6193
GTIN	4017918941833
Weight per piece (including packing)	37.988 g
Weight per piece (excluding packing)	37.38 g
Customs tariff number	85364900
Country of origin	Information on the country of origin is provided with the delivery.

Technical data

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁷ cycles

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Data management status

Date of last data management	05.09.2025
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Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.2 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	2 kV AC (50 Hz, 1 min., contact/contact)

Input data

Coil side

Nominal input voltage U _N	230 V AC
Input voltage range	179.4 V AC ... 345 V AC
Mains frequency	50/60 Hz
Drive and function	monostable
Typical input current at U _N	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 Ω ±15 % (at 20 °C)

Output data

Switching

Contact switching type	4 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V
Limiting continuous current	5 A
Maximum inrush current	12 A (15 ms)
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

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Connection data

Connection method	Plug-in connection
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Dimensions

Width	21.5 mm
Height	28 mm
Depth	36 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT I
Ambient temperature (operation)	-55 °C ... 70 °C
Ambient temperature (storage/transport)	-55 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178

Mounting

Assembly note	On relay base PR2
Mounting position	any

Drawings

Diagram



Operating voltage range

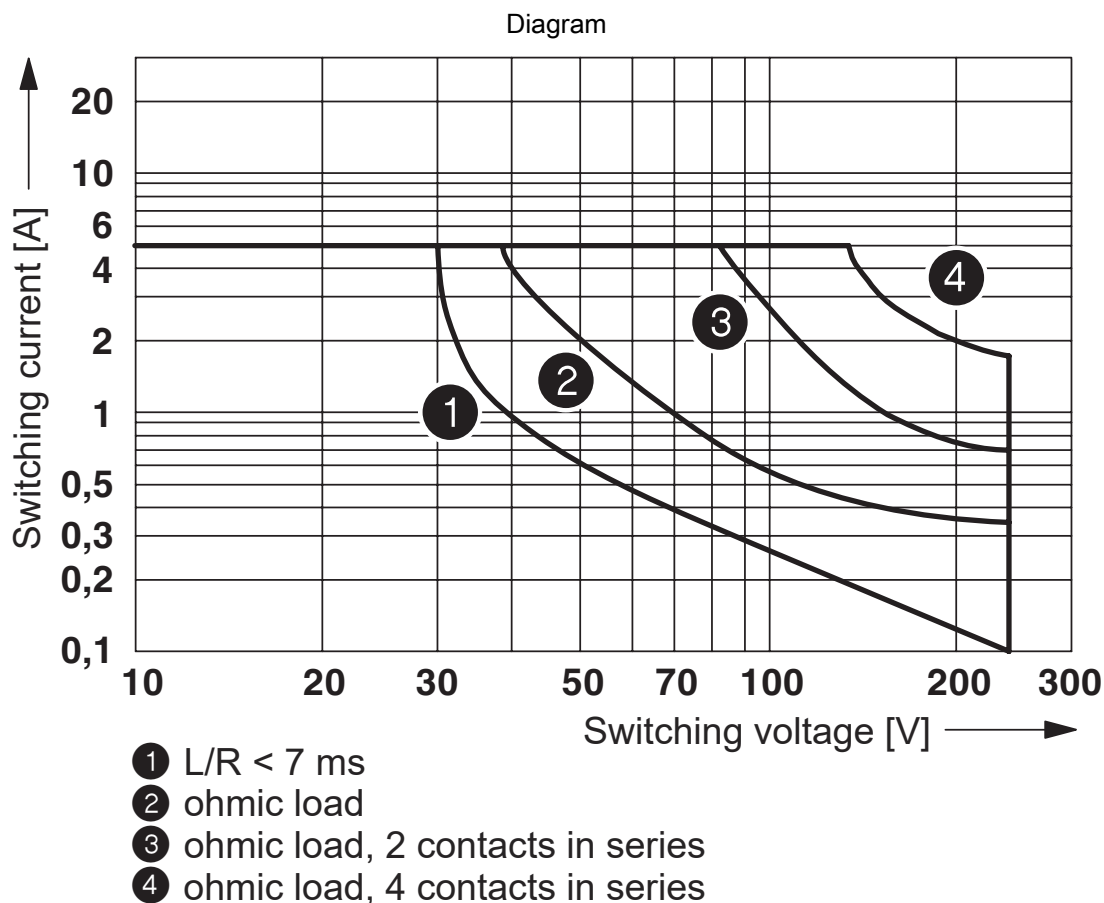
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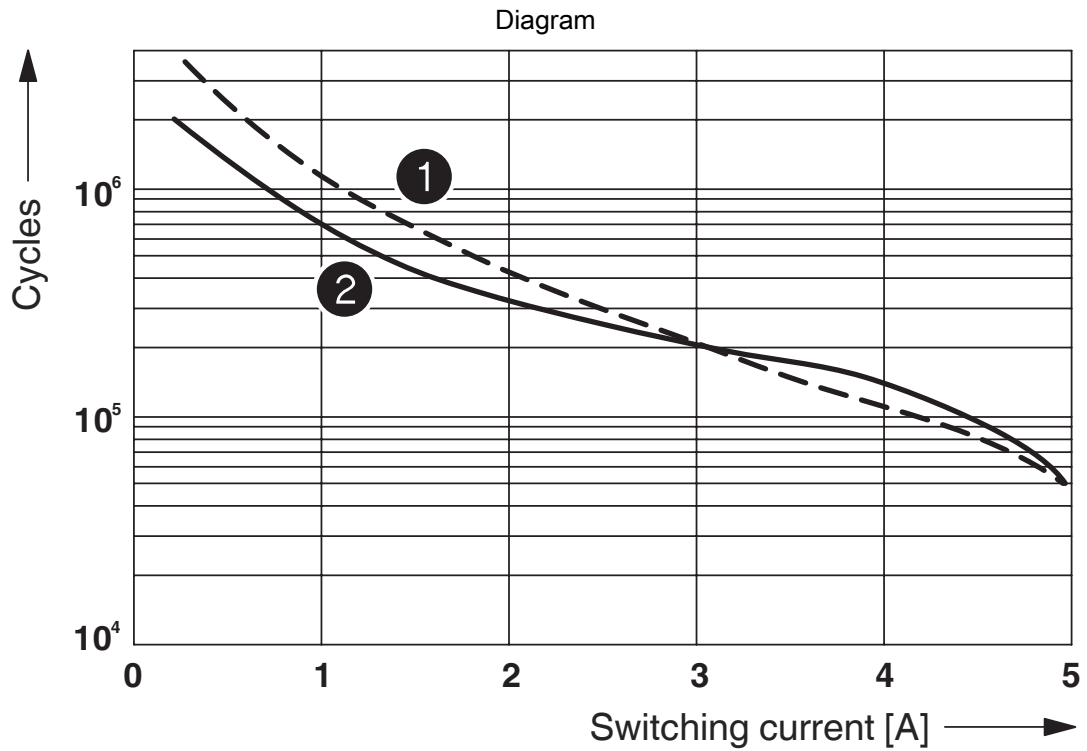
Diagram



AC interrupting rating



DC interrupting rating



- ① 250 V AC, ohmic load
- ② 30 V DC, ohmic load

Electrical service life

Diagram



Service life reduction factor

Circuit diagram



Shown without LED and damping diode.

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Classifications

UNSPSC

UNSPSC 21.0	39122334
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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