

REL-IR/LDP- 12DC/4X21AU - Single relay



2834083

<https://www.phoenixcontact.com/us/products/2834083>

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 and additional hard gold plating, 4 changeover contacts, test button, status LED, freewheeling diode, mechanical switching position indicator, polarity: **A1+**, **A2-**, coil voltage: 12 V DC

Your advantages

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

Commercial data

Item number	2834083
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6193
GTIN	4017918941659
Weight per piece (including packing)	38.5 g
Weight per piece (excluding packing)	38.5 g
Customs tariff number	85364190
Country of origin	JP

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
------------------------------	------------

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.9 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	12 V DC
Input voltage range	9.4 V DC ... 18 V DC
Input voltage range in reference to U_N	see diagram
Drive and function	monostable
Typical input current at U_N	75 mA
Typical response time	13 ms
Typical release time	14 ms
Coil resistance	160 Ω \pm 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)

Connection data

REL-IR/LDP- 12DC/4X21AU - Single relay



2834083

<https://www.phoenixcontact.com/us/products/2834083>

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

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

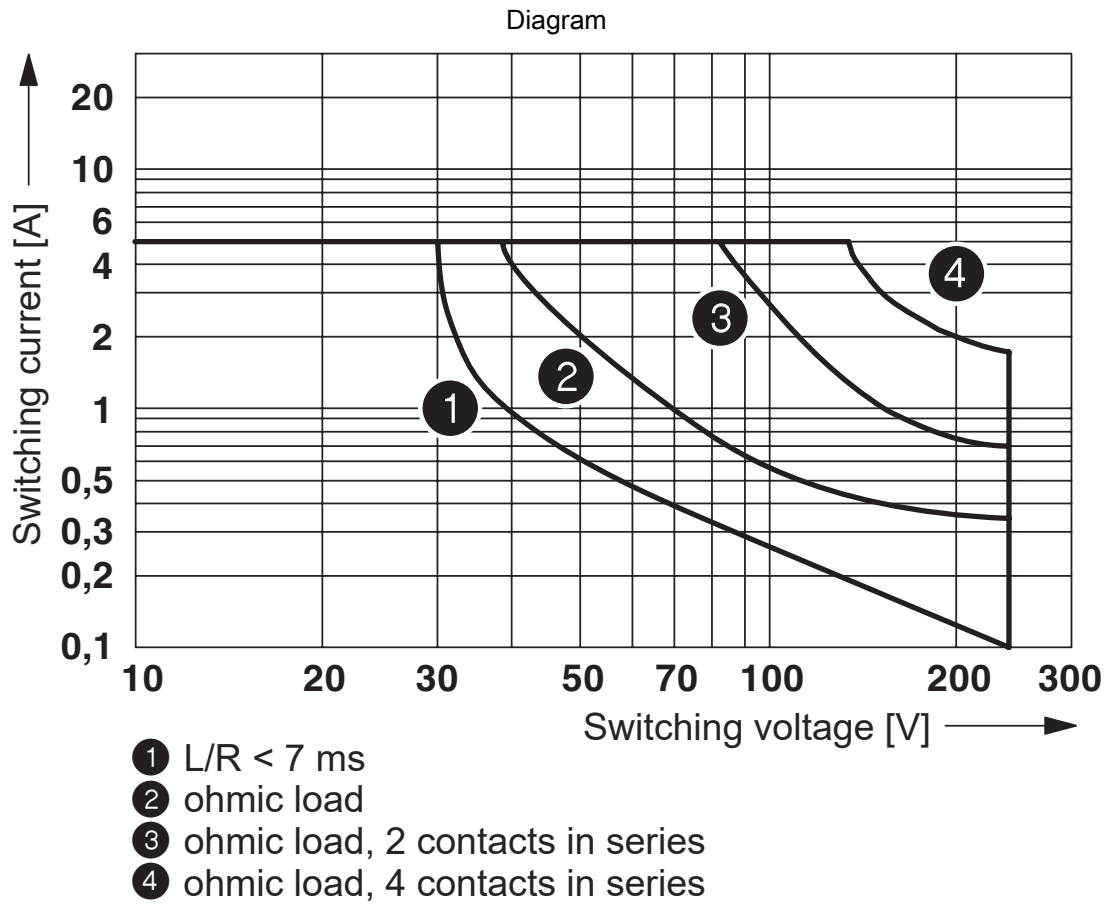
2834083

<https://www.phoenixcontact.com/us/products/2834083>

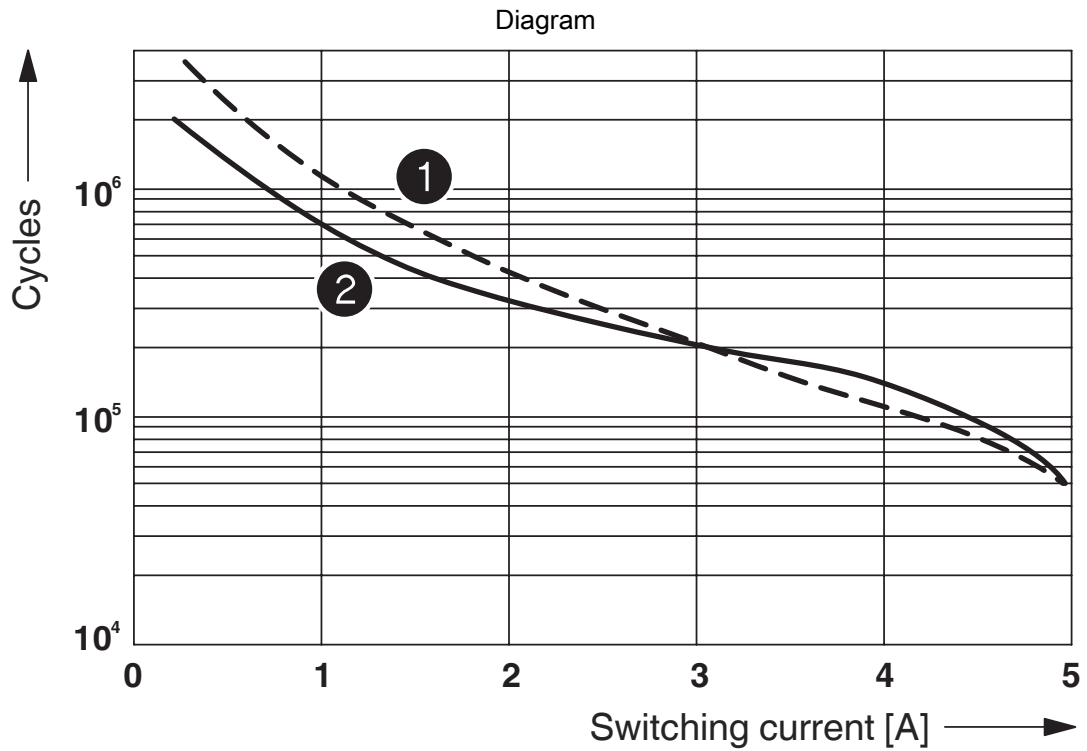
Diagram



AC interrupting rating



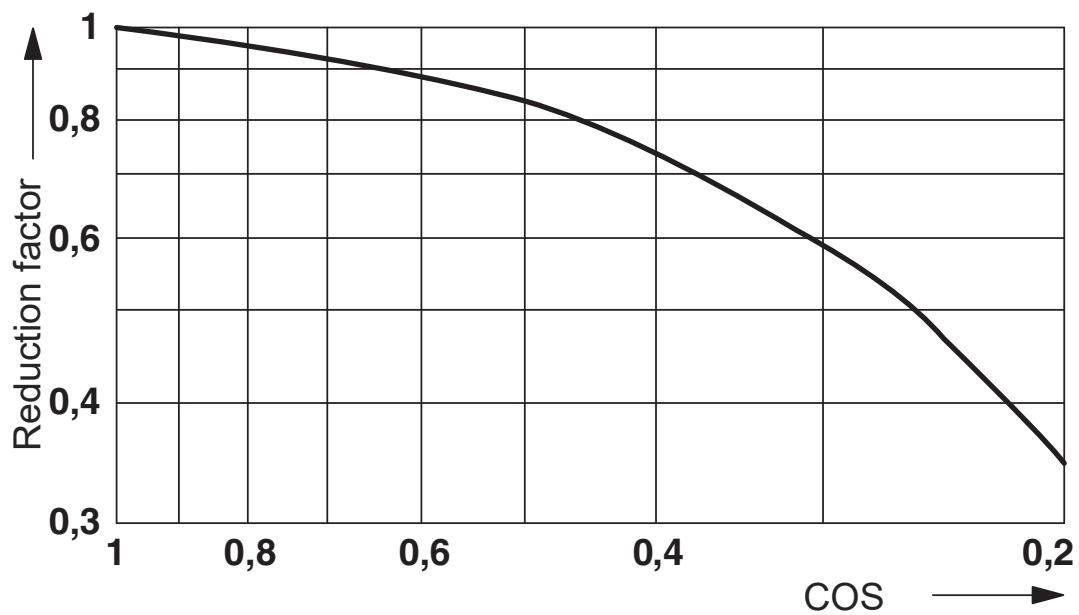
DC interrupting rating



- 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.

REL-IR/LDP- 12DC/4X21AU - Single relay



2834083

<https://www.phoenixcontact.com/us/products/2834083>

Classifications

UNSPSC

UNSPSC 21.0	39122334
-------------	----------

REL-IR/LDP- 12DC/4X21AU - Single relay



2834083

<https://www.phoenixcontact.com/us/products/2834083>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com