

## INDUSTRIAL COMPONENT DATA

# REL-IR2/LDP- 12DC/2X21 2903659 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-IR2/LDP-12DC/2X21



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | REL-IR2/LDP-12DC/2X21 |
| Catalog number  | 2903659               |
| Category        | Switching relay       |
| Minimum order   | 1 Pcs                 |
| Document ID     | EO-745A500BEE         |
| Generated       | 2026-08-05            |

## Product Overview

Single relay

Plug-in industrial relays with power contacts, 2 inverter contacts, test key, status LED, free-flowing diode, mechanical switching position indication, polarity A1+, A2-, input voltage: 12 V DC

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                     |
|--------------|-------------------------------------|
| Catalog path | PHOENIX CONTACT > Industrial Relays |
|--------------|-------------------------------------|

## Additional Product Information

Technical dataProduct propertiesProduct type Single relay

Operating mode 100% operating factor

Mechanical service life approx. 2x 10<sup>7</sup>cycles

Data management status

Date of last data management 02.05.2024

Article revision 02

Insulation characteristics

Insulation Basic insulation

Overvoltage category III

Pollution degree 3 (Rated voltage of 230 V)

2 (Rated voltage of 400 V)

Electrical propertiesService life electrical see diagram

Maximum power dissipation for nominal condition 0.94 W

Test voltage (Winding/contact) 2.5 kVrms(50 Hz, 1 min., winding/contact)  
Test voltage (Contact/contact) 2.5 kVrms(50 Hz, 1 min., contact/contact)  
Test voltage (Changeover contact/changeover contact) 2.5 kVrms(50 Hz, 1 min., changeover contact/changeover contact)  
Rated insulation voltage 250 V AC  
Rated surge voltage 4 kV  
Input dataCoil side  
Nominal input voltage UN 12 V DC  
Input voltage range 9.4 V DC ... 23.4 V DC  
Input voltage range in reference to UN see diagram  
Drive and function monostable  
Drive (polarity) polarized  
Typical input current at UN 78 mA  
Typical response time 13 ms  
Typical release time 14 ms  
Protective circuit Freewheeling diode  
Status display LED (yellow)  
Output dataSwitching  
Contact switching type 2 changeover contacts  
Type of switch contact Single contact  
Contact material AgNi  
Maximum switching voltage 250 V AC/DC  
Minimum switching voltage 5 V (At 24 mA)  
Limiting continuous current 12 A  
Maximum inrush current 30 A (20 ms, N/O contacts)  
Min. switching current 5 mA (at 24 V)  
Interr...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-IR2/LDP-12DC/2X21 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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