INDUSTRIAL COMPONENT DATA

REL-IR2/LDP- 48DC/2X21 2903661 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-IR2/LDP-48DC/2X21



Manufacturer	PHOENIX CONTACT
MPN / Reference	REL-IR2/LDP-48DC/2X21
Catalog number	2903661
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-75D97AC80F
Generated	2026-11-19

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, A1+, A2-polarity, input voltage: 48 V DC
Plug-in industrial relay with power contacts, 2 changeover contacts, test button, status LED, freewheeling diode, mechanical switching position indicator, polarity: A1+, A2-, input voltage: 48 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 107cycles
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 1.06 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 48 V DC
Input voltage range 37.4 V DC ... 93.6 V DC
Input voltage range in reference to UN see diagram
Drive and function monostable
Drive (polarity) polarized
Typical input current at UN 22 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)
Inter...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-IR2/LDP-48DC/2X21 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.