

INDUSTRIAL COMPONENT DATA

REL-IR4/230AC/4X21/EX 2909742 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-IR4/230AC/4X21/EX



Manufacturer	PHOENIX CONTACT
MPN / Reference	REL-IR4/230AC/4X21/EX
Catalog number	2909742
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-1B90441477
Generated	2026-08-03

Product Overview

Single relay

Plug-in industrial relay, RT III sealed with power contacts, 4 switched contacts, mechanical switching position indicator, polarity: no polarity, input voltage: 230 V AC in combination with RIF-2.../EX sockets approved according to ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

Pluggable industrial relay, RT III sealed with power contacts, 4x changeover contacts, mechanical switch position indicator, polarity: non-polarized, input voltage: 230 V AC, in connection with RIF-2.../EX bases approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

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 01

Insulation characteristics

Insulation Basic insulation

Overvoltage category II

Pollution degree 2

Electrical propertiesService life electrical see diagram

Maximum power dissipation for nominal condition 1.5 W

Test voltage (Winding/contact) 2.5 kVrms(50 Hz, 1 min., winding/contact)

Test voltage (Changeover contact/changeover contact) 2 kVrms(50 Hz, 1 min., changeover contact/changeover contact)

Rated insulation voltage 250 V AC

Rated surge voltage 2.5 kV

Input dataCoil side

Nominal input voltage UN 230 V AC

Input voltage range 179.4 V AC ... 317.4 V AC

Input voltage range in reference to UN see diagram

Mains frequency 50/60 Hz

Drive and function monostable

Drive (polarity) non-polarized

Typical input current at UN 6.5 mA

Typical response time 5 ms ... 15 ms (depending on phase relation)

Typical release time range 5 ms ... 20 ms (depending on phase relation)

Status display LED (yellow)

Output dataSwitching

Contact switching type 4 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 6 A

Maximum inrush current 16 A (20 ms, N/O contacts)

Min. switching current 5 mA (at 24 V)

Interrupting rating (ohmic load) max. 144 W (at 24 V D...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-IR4/230AC/4X21/EX 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.