INDUSTRIAL COMPONENT DATA

PLC-RSC-12DC/21/EX 2909522 PHOENIX CONTACT Relay Module

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-RSC-12DC/21/EX



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-RSC-12DC/21/EX
Catalog number	2909522
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-EF3C816112
Generated	2026-11-18

Product Overview

Relay Module
PLC-INTERFACE, consisting of a base terminal block for mounting on a 6.2 mm rail with screw connection and plug-in miniature relay with 6 A power contact, 1 switched contact, input voltage of 12 V DC. Approved according to ATEX/IECEx (zone 2) and Ex zone class I, div. 2.
PLC-INTERFACE, consisting of DIN-rail-mountable basic terminal block in 6.2 mm with screw connection and plug-in miniature relay with 6 A power contact, 1 changeover contact, 12 V DC input voltage. Approved according to 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 dataNotesUtilization restriction
EMC note EMC: class A product, see manufacturer's declaration in the download area
Product propertiesProduct type Relay Module
Product family PLC-INTERFACE
Application Class I, Division 2
potentially explosive areas
Operating mode 100% operating factor
Mechanical service life 2x 107cycles
Data management status

Date of last data management 01.08.2024
Article revision 02
Insulation characteristics: Standards/regulations
Overvoltage category III
Pollution degree 3
Electrical propertiesMaximum power dissipation for nominal condition 0.18 W
Test voltage (Winding/contact) 4 kV AC (50 Hz, 1 min., winding/contact)
Input dataCoil side
Nominal input voltage UN 12 V DC
Input voltage range 9.72 V DC ... 16.8 V DC (20 °C)
Nominal voltage (plugged-in electromechanical relay) 12 V DC
Drive and function monostable
Drive (polarity) polarized
Typical input current at UN 15.3 mA
Typical response time 5 ms
Typical release time 8 ms
Protective circuit Reverse polarity protection; Polarity protection diode
Freewheeling diode; Freewheeling diode
Operating voltage display Yellow LED
Output dataSwitching
Contact switching type 1 changeover contact
Type of switch contact Single contact
Contact connection type Power contact
Contact material AgSnO
Maximum switching voltage 250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then c...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-RSC-12DC/21/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.