INDUSTRIAL COMPONENT DATA

PLC-RPT- 48DC/21HC 2900294 PHOENIX CONTACT PLC-INTERFACE for high continuous currents, consisting of PLC-BPT..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-RPT-48DC/21HC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-RPT-48DC/21HC
Catalog number	2900294
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-C461A5E5DA
Generated	2026-11-18

Product Overview

PLC-INTERFACE for high continuous currents, consisting of PLC-BPT.../21 HC basic terminal block with push-in connection and plug-in miniature relay, for mounting on DIN rail NS 35/7,5, limiting continuous current up to 10 A, 1 PDT, input voltage 48 V DC
PLC-INTERFACE for high constant currents, consisting of PLC-BPT.../21 HC base terminal block with push-in connection and plug-in miniature relay, for mounting on NS 35/7.5 rail, constant current limit up to 10 A, 1 switched contact, 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 Relay Module
Product family PLC-INTERFACE
Application High continuous currents
Operating mode 100% operating factor
Mechanical service life 3x 107cycles
Data management status
Date of last data management 01.07.2024
Article revision 08

Insulation characteristics
Insulation Safe isolation, reinforced insulation
Overvoltage category III
Pollution degree 3
Electrical propertiesMaximum power dissipation for nominal condition 0.96 W
Rated surge voltage 6 kV
Input dataCoil side
Nominal input voltage UN 48 V DC
Input voltage range 40.3 V DC ... 60 V DC (20 °C)
Nominal voltage (plugged-in electromechanical relay) 24 V DC
Drive and function monostable
Drive (polarity) polarized
Typical input current at UN 20 mA
Typical response time 8 ms
Typical release time 10 ms
Protective circuit Reverse polarity protection; Polarity protection diode
Surge protection; Freewheeling diode
Operating voltage display Yellow LED
Output dataSwitching
Contact switching type 1 changeover contact
Type of switch contact Single contact
Contact material AgNi
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 carried out with FBST 8-PLC... or ...FBST 500...)
Minimum switching voltage 12 V (10 mA)
Limiting continuous current 10 A
6 A (value applies to connections 12. If connections 12 are bridged, the normal...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-RPT-48DC/21HC with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

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.