

INDUSTRIAL COMPONENT DATA

PLC-RPT- 12DC/21HC 2900290 PHOENIX CONTACT PLC-INTERFACE for high continuous currents, consisting of PLC-BPT..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-RPT-12DC/21HC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-RPT-12DC/21HC
Catalog number	2900290
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-12A3003338
Generated	2026-07-28

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 12 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 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 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 03.07.2024

Article revision 08

Insulation characteristics

Insulation Safe isolation, reinforced insulation

Overvoltage category III

Pollution degree 3

Electrical properties Maximum power dissipation for nominal condition 0.4 W

Rated surge voltage 6 kV

Input data Coil side

Nominal input voltage UN 12 V DC

Input voltage range 10.3 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 33 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 data Switching

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 norma...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-RPT-12DC/21HC 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.