

INDUSTRIAL COMPONENT DATA

PLC-OPT-120AC/300DC/1 2900388 PHOENIX CONTACT PLC-INTERFACE, integrated solid-state relay, with Push-in conn..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-OPT-120AC/300DC/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-OPT-120AC/300DC/1
Catalog number	2900388
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-D1E5F7ED3A
Generated	2026-07-29

Product Overview

PLC-INTERFACE, integrated solid-state relay, with Push-in connection, for mounting on NS 35/7,5 DIN rails, input: 120 V AC, output: 12 - 300 V DC/1 A

INTERFACE PLC, integrated solid-state relay, with push-in connection, for symmetrical rail mounting NS 35/7.5, input: 120 V AC, output: 12-300 V DC/1 A

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

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width 6.2 mm

Height 80 mm

Depth 86 mm

Ambient conditions

Ambient temperature (operation) -25 °C ... 60 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Input data

Nominal input voltage UN 120 V AC

Input voltage range in reference to UN 0.8 ... 1.1

Input voltage range 96 V AC ... 132 V AC

Switching threshold "0" signal in reference to UN ≤ 0.4

Switching threshold "1" signal in reference to UN ≥ 0.8

Typical input current at UN 3 mA

Typical response time 19 ms

Typical turn-off time 6 ms

Operating voltage display Yellow LED

Type of protection Bridge rectifier

Protective circuit/component Bridge rectifier

Transmission frequency 10 Hz

Output data

Designation Output data

Output voltage range 12 V DC ... 300 V DC (Partition plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal points in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or ...FBST 500...)

Limiting continuous current 1 A (see derating curve)

Voltage drop at max. limiting continuous current < 500 mV

Type of protection Reverse polarity protection

Surge protection

Protective circuit/component Polarity protection diode

Varistor

Connection data, input side

Connection name Input side

Connection method Push-in connection

Stripping length 8 mm

Conductor cross section solid 0.14 mm² ... 2.5 mm²

Conductor cross section flexible 0.1...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-OPT-120AC/300DC/1 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.