

INDUSTRIAL COMPONENT DATA

PLC-OSC- 12DC/300DC/ 1 2980665 PHOENIX CONTACT PLC-INTERFACE, integrated solid-state relay, with screw conne..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-OSC-12DC/300DC/ 1



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-OSC-12DC/300DC/ 1
Catalog number	2980665
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-1282BD7151
Generated	2026-07-31

Product Overview

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

PLC INTERFACE, integrated solid-state relay, screw connection, for installation on NS 35/7.5 symmetrical rail, input: 12 V DC, 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

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 12 V DC

Input voltage range in reference to UN 0.8 ... 1.2

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 6 mA

Typical response time 0.3 ms

Typical turn-off time 0.8 ms

Operating voltage display Yellow LED

Type of protection Protection against polarity reversal

Surge protection

Protective circuit/component Polarity protection diode

Varistor

Transmission frequency 50 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 Protection against polarity reversal

Surge protection

Protective circuit/component Polarity protection diode

Varistor

Connection data, input side

Connection name Input side

Connection method Screw connection

Stripping length 8 mm

Screw thread M3

Conductor cross section solid 0.14 mm^2 ... 2.5 mm^2

Conductor cross section flexible 0.14 mm^2 ... 2.5 mm^2

Conductor cross section AWG 26 ... 14

General....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-OSC-12DC/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 PI #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.