INDUSTRIAL COMPONENT DATA

PLC-OSC- 24DC/ 24DC/ 3RW 2980610 PHOENIX CONTACT Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-OSC-24DC/ 24DC/ 3RW



Manufacturer	PHOENIX CONTACT
MPN / Reference	PLC-OSC-24DC/ 24DC/ 3RW
Catalog number	2980610
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-4499366658
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Product Overview

Solid-state relay module
PLC-INTERFACE for railway applications, consisting of screw terminal block and integrated miniature solid-state relay, range: 0.7 x UN to 1.25 x UN, temperature range: -25 °C to +70 °C, 1 closing contact, input: 24 V DC, output: 3-33 V DC/3 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

Technical dataProduct propertiesProduct type Solid-state relay module
Product family PLC-INTERFACE
Application Railway applications
Data management status
Date of last data management 16.09.2024
Article revision 08
Insulation characteristics: Standards/regulations
Overvoltage category III
Pollution degree 2
Electrical propertiesMaximum power dissipation for nominal condition 0.2 W
Input dataNominal input voltage UN 24 V DC
Input voltage range in reference to UN 0.7 ... 1.25

Input voltage range 16.8 V DC ... 30 V DC
Switching threshold "0" signal in reference to UN <= 0.3
Switching threshold "1" signal in reference to UN >= 0.6
Typical input current at UN 8.5 mA
Typical response time 40 µs
Typical turn-off time 200 µs
Status display LED (yellow)
Protective circuit Reverse polarity protection; Polarity protection diode
Transmission frequency 300 Hz
Output dataContact switching type 1 N/O contact
Design of digital output electronic
Output voltage range 3 V DC ... 33 V DC
Limiting continuous current 3 A
Voltage drop at max. limiting continuous current <= 200 mV
Output circuit 2-conductor, floating
Protective circuit Reverse polarity protection; Polarity protection diode
Surge protection
Connection dataConnection method Screw connection
Stripping length 8 mm
Screw thread M3
Conductor cross section rigid 0.14 mm² ... 2.5 mm²
Conductor cross section flexible 0.14 mm² ... 2.5 mm²
0.2 mm² ... 2.5 mm² (Single ferrule)
2x 0.5 mm² ... 1.5 mm² (TWIN ferrule)
Conductor cross section AWG 26 ....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-OSC-24DC/ 24DC/ 3RW 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

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