INDUSTRIAL COMPONENT DATA

# PLC-OPT- 48DC/110DC/3RW 2900393 PHOENIX CONTACT Solid-state relay module

**Brand: PHOENIX CONTACT | Manufacturer Part Number: PLC-OPT-48DC/110DC/3RW**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | PLC-OPT-48DC/110DC/3RW |
| Catalog number | 2900393 |
| Category | Optocoupler |
| Minimum order | 1 Pcs |
| Document ID | EO-4E42CB28A8 |
| Generated | 2026-11-18 |

## Product Overview

Solid-state relay module
PLC-INTERFACE for railway applications, consisting of base terminal block with push-in connection 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: 48 V DC, output: 12-140 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

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|---|---|
| Catalog path | PHOENIX CONTACT > Industrial Relays |

## Additional Product Information

Key Commercial Data
Orderkey 2900393
Packing unit 10 pc
Note Made to Order (non-returnable)
Catalog page Page 415 (C-5-2017)
GTIN 4046356508988
Weight per Piece (excluding packing) 31.890 g
Custom tariff number 85364190
Country of origin DE (Germany)
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 ... 70 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Degree of protection IP20
Input data
Nominal input voltage UN 48 V DC
Input voltage range in reference to UN 0.7 ... 1.25 (t < 1 s = 0.6 ... 1.4 x UN)
Input voltage range 33.6 V DC ... 60 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 5.5 mA
Typical response time 40 µs
Typical turn-off time 200 µs
Operating voltage display Yellow LED
Type of protection Reverse polarity protection
Surge protection
Protective circuit/component Series polarity protection diode
Surge voltage protection > 150 V
Transmission frequency 300 Hz
Power dissipation for nominal condition 0.26 W
Output data
Output nominal voltage 110 V DC
Output voltage range 12 V DC ... 140 V DC (t < 1 s = 1.40 x UN)
Limiting continuous current 3 A (see derating curve)
Surge voltage protection > 150 V
Voltage drop at max. limiting continuous current < 150 mV
Output circuit 2-wire, floating
Type of protectio...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PLC-OPT-48DC/110DC/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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