

## 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



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | PLC-OPT-48DC/110DC/3RW |
| Catalog number  | 2900393                |
| Category        | Optocoupler            |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-9531D8A839          |
| Generated       | 2026-08-01             |

## 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

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

## Additional Product Information

Key Commercial Data

Orderkey 2900393

Packing unit 10 pc

Note Made to Order (non-returnable)

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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 ( $t < 1 \text{ s} = 0.6 \dots 1.4 \times \text{UN}$ )  
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  $\mu\text{s}$   
Typical turn-off time 200  $\mu\text{s}$   
Operating voltage display Yellow LED  
Type of protection Reverse polarity protection  
Surge protection  
Protective circuit/component Series polarity protection diode  
Surge voltage protection  $> 150 \text{ V}$   
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 ( $t < 1 \text{ s} = 1.40 \times \text{UN}$ )  
Limiting continuous current 3 A (see derating curve)  
Surge voltage protection  $> 150 \text{ V}$   
Voltage drop at max. limiting continuous current  $< 150 \text{ mV}$   
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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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