

# PLC-OSC- 24DC/ 48DC/500/W - Solid-state relay module



2980636

<https://www.phoenixcontact.com/in/products/2980636>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



PLC-INTERFACE with electronic changeover contact, consisting of PLC-BSC.../21 basic terminal block with screw connection and integrated miniature solid-state relay, for mounting on NS 35/7,5 DIN rail, 1 changeover contact, input: 24 V DC, output: 3 V DC ... 48 V DC/500 mA

## Your advantages

- Wear-free switching with no contact bounce
- Resistant to vibrations and shocks
- Protective circuit in input and output
- Status indicator
- Electronic changeover contact output up to 48 V DC/500 mA
- Option of bridging adjacent modules

## Commercial Data

Item number	2980636
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6213
Catalog Page	Page 409 (C-5-2019)
GTIN	4046356051378
Weight per Piece (including packing)	34.12 g
Weight per Piece (excluding packing)	33.47 g
Customs tariff number	85364190
Country of origin	DE

# PLC-OSC- 24DC/ 48DC/500/W - Solid-state relay module



2980636

<https://www.phoenixcontact.com/in/products/2980636>

## Technical Data

### Product properties

Product type	Solid-state relay module
Product family	PLC-INTERFACE
Application	With integrated solid-state relay
Operating mode	100% operating factor

### Insulation characteristics

Insulation	Basic insulation
------------	------------------

### Insulation characteristics: Standards/regulations

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	0.07 W
-------------------------------------------------	--------

### Standards/regulations

Rated insulation voltage	300 V
Rated surge voltage	4 kV

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	3 mA
Typical response time	0.03 ms
Typical turn-off time	0.15 ms
Operating voltage display	Yellow LED
Protective circuit	Reverse polarity protection; Polarity protection diode Surge protection
Transmission frequency	1000 Hz

### Output data

Contact type	1 changeover contact
Design of digital output	electronic
Type of contact	Power contact
Output voltage range	3 V DC ... 48 V DC
Limiting continuous current	500 mA (see derating curve)
Min. load current	1 mA
Voltage drop at max. limiting continuous current	$< 1.2$ V

# PLC-OSC- 24DC/ 48DC/500/W - Solid-state relay module



2980636

<https://www.phoenixcontact.com/in/products/2980636>

Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection; Polarity protection diode
	Surge protection

## Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Single ferrule)
	2x 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule)
Conductor cross section AWG	26 ... 14
Tightening torque	0.6 Nm ... 0.8 Nm

## Dimensions

Width	6.2 mm
Height	80 mm
Depth	86 mm

## Material specifications

Flammability rating according to UL 94	V0 (Housing)
----------------------------------------	--------------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Approvals

### Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

## Standards and regulations

### Standards/regulations

Standards/regulations	IEC 60664
	EN 50178

## Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

# PLC-OSC- 24DC/ 48DC/500/W - Solid-state relay module



2980636

<https://www.phoenixcontact.com/in/products/2980636>

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)