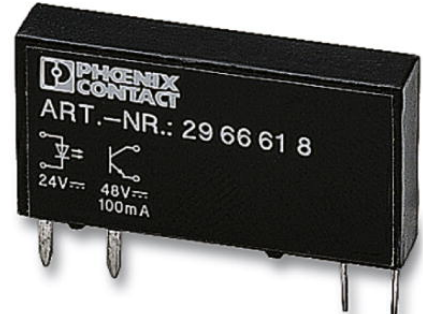


# OPT- 5DC/ 48DC/100


Order No.: 2967992

The illustration shows the version OPT-24DC/48DC/100



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2967992>

Pluggable miniature optocoupler, input optocoupler, input voltage: 5 V DC

Commercial data	
GTIN (EAN)	 4 017918 820749
sales group	G151
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 100 (IF-2011)

### Product notes

WEEE/RoHS-compliant since:  
05/09/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

Input data	
Nominal input voltage $U_N$	5 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal, voltage	$\leq 0.8$ V
Switching threshold "1" signal voltage	$\geq 2.5$ V

Typical input current at $U_N$	4 mA
Typical response time	20 $\mu$ s (at $U_N$ )
Typical turn-off time	300 $\mu$ s (at $U_N$ )
Transmission frequency	300 Hz

#### Output data

Output nominal voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	$\leq 1$ V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection

#### General data

Width	5 mm
Height	28 mm
Depth	15 mm
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Name	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

#### Certificates / Approvals



Certification

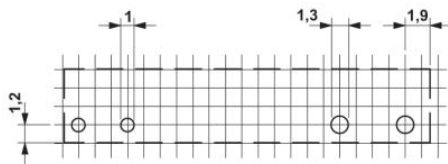
CUL, GL, GOST, UL

**Additional products**

Item	Designation	Description
<b>General</b>		
2980241	PLC-BSC- 5DC/ 1/ACT	6.2 mm PLC actuator basic terminal blocks with screw connection method, input voltage 5 V DC(without relay or optocoupler)
2980267	PLC-BSC- 5DC/ 1/SEN	6.2 mm PLC Sensor basic terminal blocks with screw connection method, input voltage 5 V DC(without relay or optocoupler)
2980225	PLC-BSC- 5DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 5 V DC(without relay or optocoupler)
2980254	PLC-BSP- 5DC/ 1/ACT	6.2 mm PLC PLC actuator basic terminal blocks with spring-cage connection method, input voltage 5 V DC(without relay or optocoupler)
2980238	PLC-BSP- 5DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 5 V DC(without relay or optocoupler)

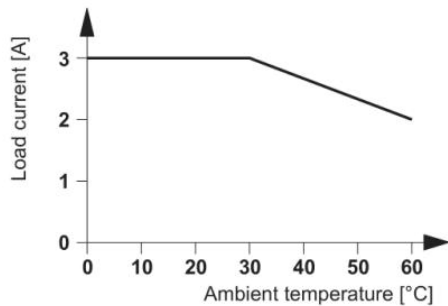
**Diagrams/Drawings**

Drilling plan/solder pad geometry



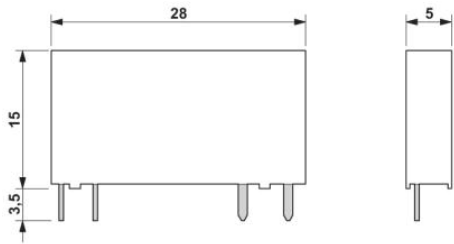
a = pitch division 1.25 mm and 1.27 mm

Diagram



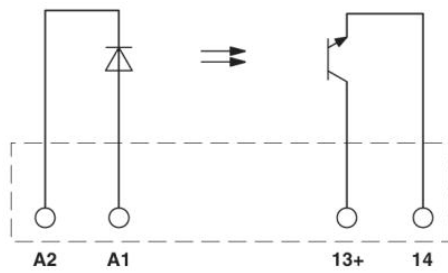
Dimensioned drawing

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Circuit diagram

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