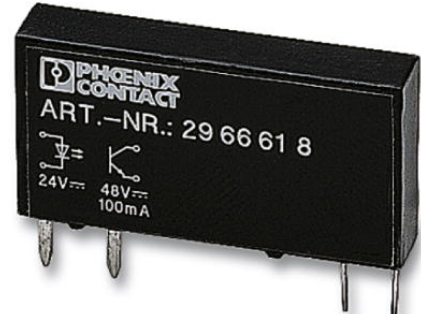


# OPT-60DC/ 48DC/100


Order No.: 2966621

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2966621>

Pluggable miniature optocouplers, input optocouplers, input: 60 V DC, output: 3 - 48 V DC/ 100 mA

Commercial data	
GTIN (EAN)	 4 017918 130473
sales group	G151
Pack	10 pcs.
Customs tariff	85364110
Catalog page information	Page 100 (IF-2011)

### Product notes

WEEE/RoHS-compliant since:  
08/28/2006



<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 $U_N$	60 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Switching threshold "0" signal, voltage	$\leq 40$ V
Switching threshold "1" signal voltage	$\geq 52$ V

Typical input current at $U_N$	3 mA
Typical response time	50 $\mu$ s (at $U_N$ )
Typical turn-off time	800 $\mu$ s (at $U_N$ )
Transmission frequency	100 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
Protective circuit/component	Polarity protection diode

#### Connection data

Connection method	Plug / solder connection
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#### 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

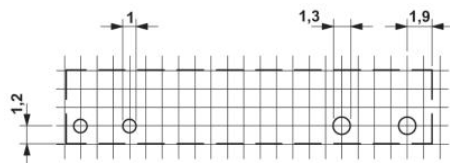
**Additional products**

Item	Designation	Description
<b>Basic terminal block with filter</b>		
2980322	PLC-BSC-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)
2980348	PLC-BSC-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with screw connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/ DC(without relay or optocoupler)
2980364	PLC-BSP-120UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)
2980351	PLC-BSP-120UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 120 V AC/ DC(without relay or optocoupler)
2980380	PLC-BSP-230UC/ 1/SEN/SO46	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/ DC(without relay or optocoupler)
2980377	PLC-BSP-230UC/21/SO46	6.2 mm PLC basic terminal blocks with spring-cage connection method and integrated RCZ filter against interference voltages and currents on the control side, input voltage 230 V AC/ DC(without relay or optocoupler)
<b>General</b>		
2966100	PLC-BSC- 60DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 60 V DC(without relay or optocoupler)
2966074	PLC-BSC-120UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with screw connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2966032	PLC-BSC-120UC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 120 V AC/DC(without relay or optocoupler)

2966087	PLC-BSC-230UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with screw connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2966045	PLC-BSC-230UC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2967332	PLC-BSP- 60DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 60 V DC(without relay or optocoupler)
2967154	PLC-BSP-120UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2967167	PLC-BSP-120UC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 120 V AC/DC(without relay or optocoupler)
2967170	PLC-BSP-230UC/ 1/SEN	6.2 mm PLC sensor basic terminal blocks with spring-cage connection method, input voltage 230 V AC/DC(without relay or optocoupler)
2967183	PLC-BSP-230UC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 230 V AC/DC(without relay or optocoupler)

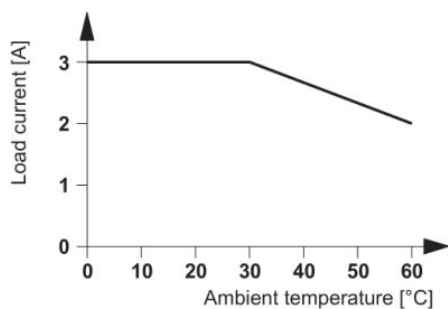
**Diagrams/Drawings**

Drilling plan/solder pad geometry



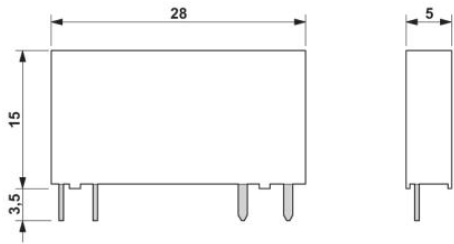
a = pitch division 1.25 mm and 1.27 mm

Diagram



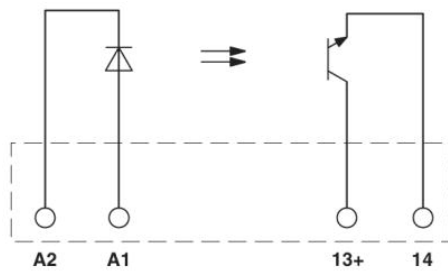
Dimensioned drawing

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Circuit diagram

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