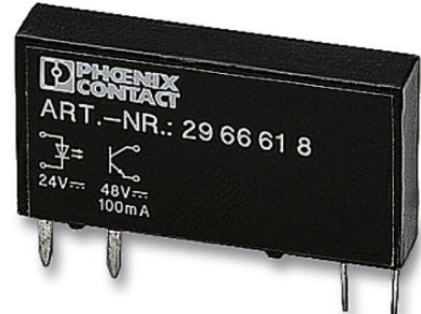



OPT- 5DC/ 24DC/ 2

Order No.: 2967989

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2967989>Pluggable miniature optocoupler, power optocoupler, input voltage: 5
V DC

Commercial data

GTIN (EAN)	 4 017918 820763
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	≤ 0.8 V
Switching threshold "1" signal voltage	≥ 2.5 V

Typical input current at U_N	9 mA
Typical response time	20 μ s (at U_N)
Typical turn-off time	300 μ s (at U_N)
Transmission frequency	300 Hz

Output data

Output nominal voltage range	3 V DC ... 33 V DC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Voltage drop at max. limiting continuous current	\leq 150 mV
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

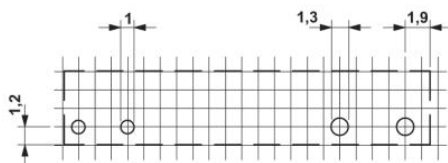
CUL, GL, GOST, UL

Additional products

Item	Designation	Description
General		
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)

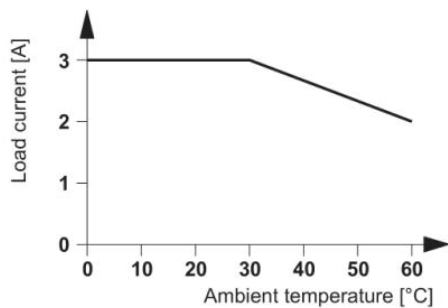
Diagrams/Drawings

Drilling plan/solder pad geometry

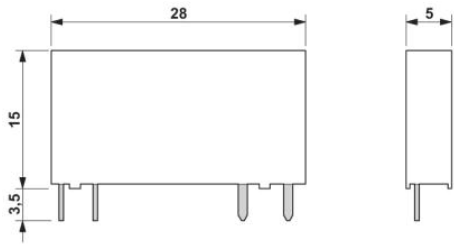


a = pitch division 1.25 mm and 1.27 mm

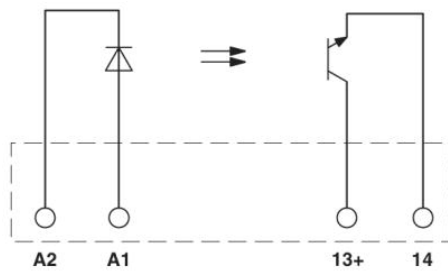
Diagram



Dimensioned drawing



Circuit diagram



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