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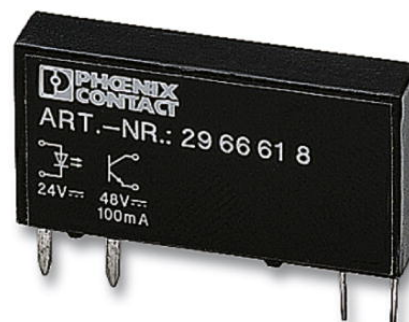


Extract from the online
catalog

OPT-24DC/ 24DC/ 2

Order No.: 2966595

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



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Pluggable miniature optocouplers, power optocouplers, input: 24 V DC, output: 3-33 V DC/3 A

Commercial data

EAN	4017918130947
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.00537 KG
Catalog page information	Page 83 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
02/27/2006



<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	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Switching threshold "0" signal, voltage	≤ 10 V
Switching threshold "1" signal voltage	≥ 16 V

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Typical input current at U_N	7 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
Maximum inrush current	15 A (10 ms)
Voltage drop at max. limiting continuous current	$\leq$ 150 mV
Output circuit	2-conductor floating
Name of protection	Polarity protection
	Surge protection

General data

Width	5 mm
Height	15 mm
Depth	28 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
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals


Certification

CUL, GL, GOST, UL

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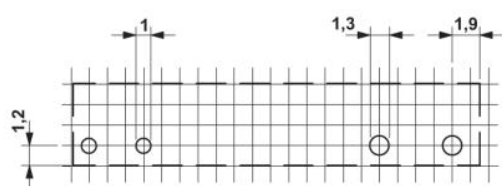
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Additional products

Item	Designation	Description
General		
2966058	PLC-BSC- 24DC/ 1/ACT	6.2 mm PLC actuator basic terminal blocks with screw connection method, input voltage 24 V DC(without relay or optocoupler)
2966061	PLC-BSC- 24DC/ 1/SEN	6.2 mm PLC Sensor basic terminal blocks with screw connection method, input voltage 24 V DC(without relay or optocoupler)
2966016	PLC-BSC- 24DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 24 V DC(without relay or optocoupler)
2966090	PLC-BSC- 48DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 48 V DC(without relay or optocoupler)
2967196	PLC-BSP- 24DC/ 1/ACT	6.2 mm PLC PLC actuator basic terminal blocks with spring-cage connection method, input voltage 24 V DC(without relay or optocoupler)
2967206	PLC-BSP- 24DC/ 1/SEN	6.2 mm PLC Sensor basic terminal blocks with spring-cage connection method, input voltage 24 V DC(without relay or optocoupler)
2967219	PLC-BSP- 24DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 24 V DC(without relay or optocoupler)
2967329	PLC-BSP- 48DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 48 V DC(without relay or optocoupler)

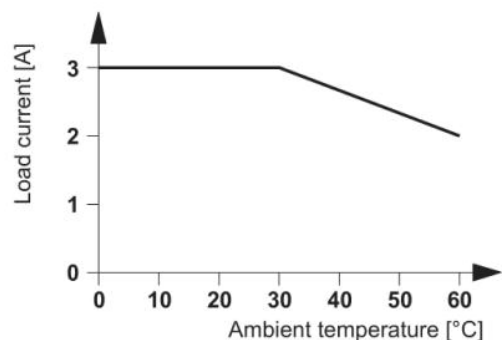
Diagrams/Drawings

Drilling plan/solder pad geometry



a = pitch division 1.25 mm and 1.27 mm

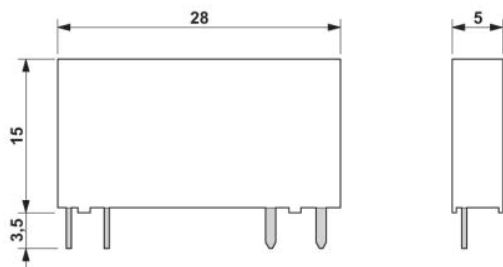
Diagram



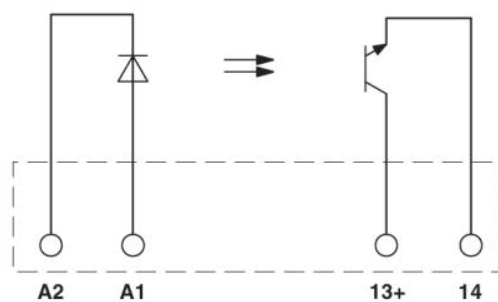
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Dimensioned drawing



Circuit diagram



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