



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

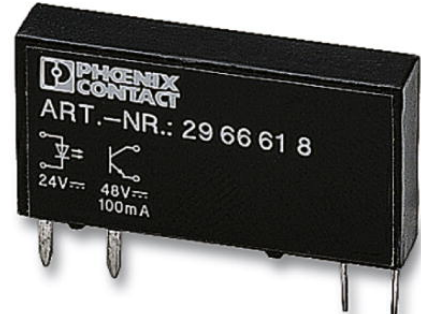
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



OPT-24DC/ 24DC/ 2

Order No.: 2966595

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2966595>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 |

| | |
|--------------------------------|-------------------------|
| 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

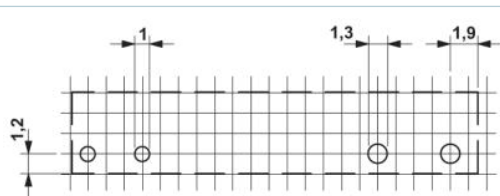
CUL, GL, GOST, UL

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) |

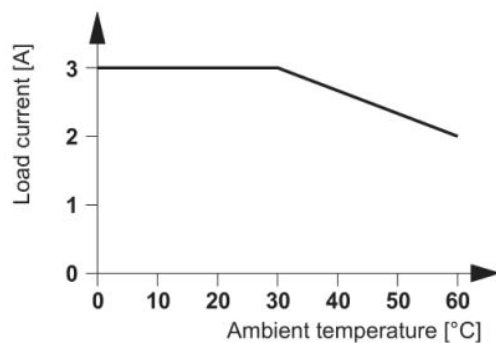
Diagrams/Drawings

Drilling plan/solder pad geometry

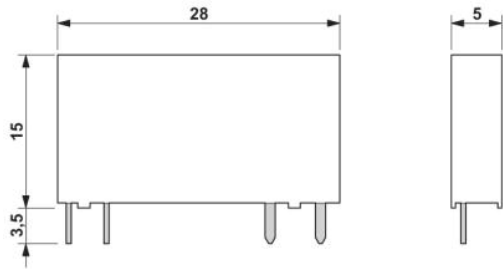


a = pitch division 1.25 mm and 1.27 mm

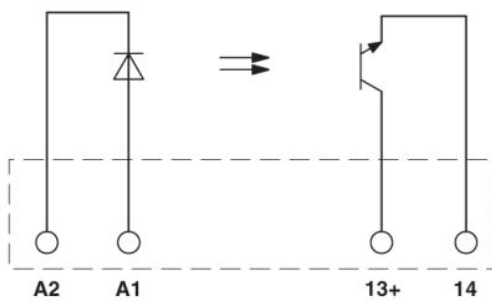
Diagram



Dimensioned drawing



Circuit diagram



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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