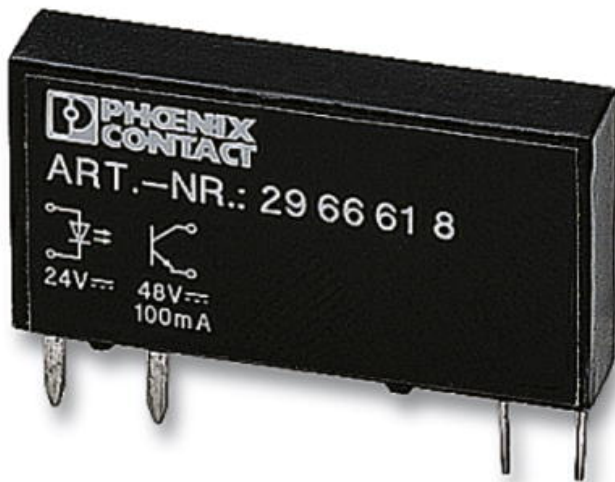


Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

▶ Extract from the online catalog

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



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

| | |
|--------------------------|-------------------|
| Order No. | 2967989 |
| Ord designation | OPT- 5DC/24DC/2 |
| EAN | 4017918820763 |
| Pack | 10 Pcs. |
| Customs tariff | 85364190 |
| Weight/Piece | 0.00544 KG |
| Catalog page information | Page 82 (IF-2007) |

▶ Product notes

WEEE/RoHS-compliant since: 05/22/2006



IMPORTANT : This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY. Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area. In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

▶ 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

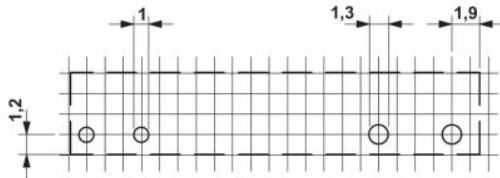
| | |
|--|----------------------|
| Output nominal voltage range | 3 V DC ... 33 V DC |
| Limiting continuous current | 3 A |
| Maximum inrush current | 15 A (10 ms) |
| Voltage drop at max. limiting continuous current | ≤ 150 mV |
| Output circuit | 2-conductor floating |
| Name of protection | Polarity protection |
| Name of protection | Surge protection |

General data

| | |
|---|---------------------------|
| Length | 28 mm |
| Width | 5 mm |
| Height | 15 mm |
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Installation position | Any |
| Assembly instructions | In rows with zero spacing |
| Operating mode | 100% operating factor |
| Standards/regulations | IEC 60664 |
| Standards/regulations | IEC 60664 A |
| Standards/regulations | DIN VDE 0110 |
| Rated surge voltage / insulation | Basic insulation |
| Contamination class | 2 |
| Surge voltage category | III |

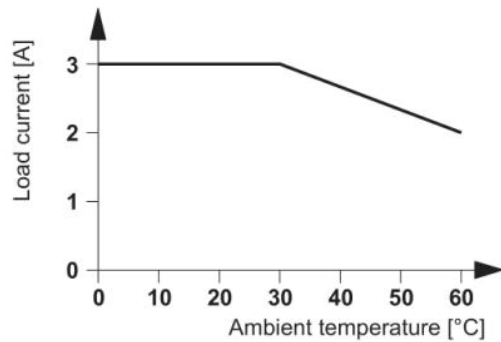
▶ Drawings

Drilling diagram

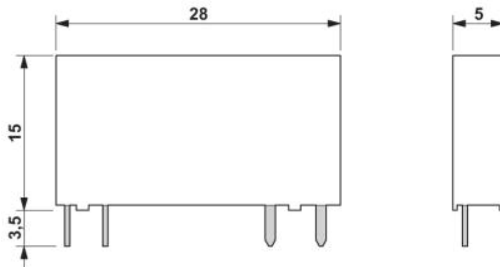


a = pitch division 1.25 mm and 1.27 mm

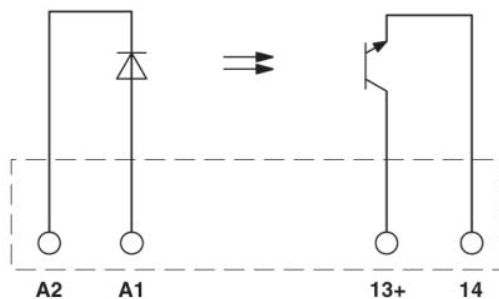
Diagram



Dimensioned drawing



Circuit diagram



► Address

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