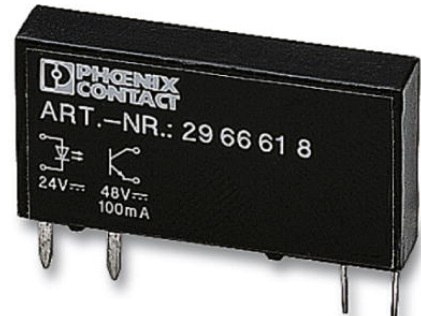


## OPT-24DC/ 48DC/100

Order No.: 2966618

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2966618>

Pluggable miniature optocouplers, input optocouplers, input: 24 V DC, output: 3 - 48 V DC/ 100 mA

| Commercial data          |                   |
|--------------------------|-------------------|
| EAN                      | 4017918130466     |
| Pack                     | 10 pcs.           |
| Customs tariff           | 85364190          |
| Weight/Piece             | 0.00483 KG        |
| Catalog page information | Page 82 (IF-2007) |

### 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 $U_N$               | 24 V DC     |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.2 |
| Switching threshold "0" signal, voltage   | $\leq 10$ V |
| Switching threshold "1" signal voltage    | $\geq 16$ V |

|                                |                         |
|--------------------------------|-------------------------|
| Typical input current at $U_N$ | 7 mA                    |
| Typical response time          | 20 $\mu$ s (at $U_N$ )  |
| Typical turn-off time          | 300 $\mu$ s (at $U_N$ ) |
| Transmission frequency         | 300 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-conductor floating |
| Name of protection                               | Polarity 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          |
| 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

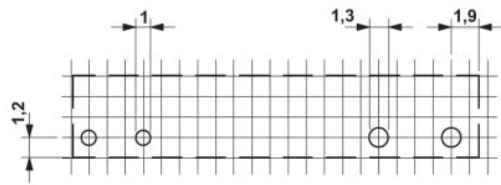


Certification

CUL, GL, GOST, UL

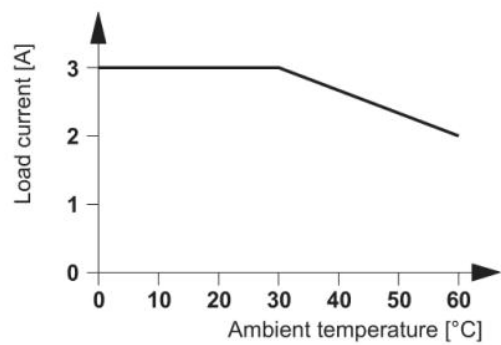
## Drawings

### Drilling diagram

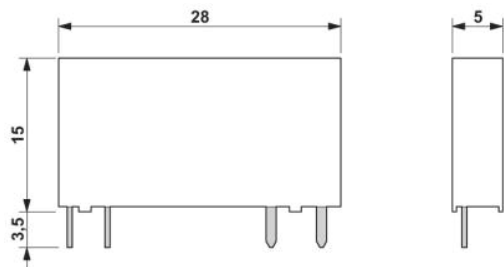


a = pitch division 1.25 mm and 1.27 mm

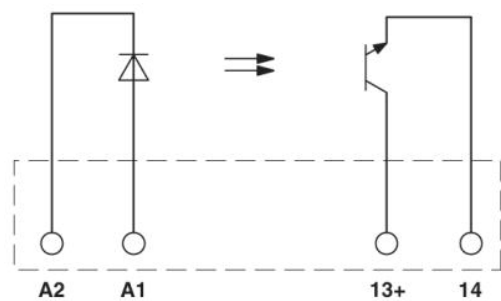
### Diagram



### Dimensioned drawing



### Circuit diagram



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