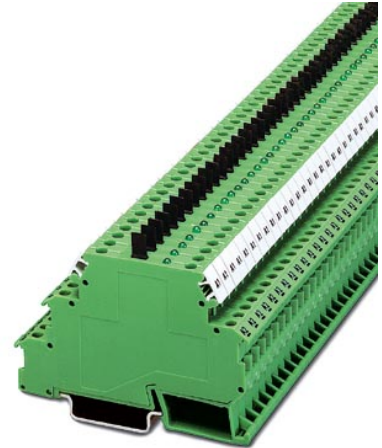


# DEK-OE- 48DC/ 48DC/100/T

Order No.: 2940281



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2940281>

Input optocoupler terminal block, input: 48 V DC, output: 3 - 48 V DC/100 mA, with isolating connector in the output, terminal width 6.2 mm



## Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 079987 |
| sales group              | G120                                                                                                   |
| Pack                     | 10 pcs.                                                                                                |
| Customs tariff           | 85364190                                                                                               |
| Catalog page information | Page 71 (IF-2002)                                                                                      |

## Product notes

WEEE/RoHS-compliant since:  
01/02/2006



<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 $U_N$             | 48 V DC $\pm$ 10% |
| Switching threshold "0" signal, voltage | $\leq$ 19 V       |

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Switching threshold "1" signal voltage | $\geq 40 \text{ V}$                  |
| Typical input current at $U_N$         | 5 mA                                 |
| Typical response time                  | 40 $\mu\text{s}$ (delay)             |
| Typical turn-off time                  | 40 $\mu\text{s}$ (delay)             |
| Status display                         | Yellow LED                           |
| Type of protection                     | Protection against polarity reversal |
| Protective circuit/component           | Bridge rectifier                     |
| Transmission frequency                 | 30 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 | $\leq 0.9 \text{ V}$                 |
| Output circuit                                   | 2-wire, floating                     |
| Type of protection                               | Protection against polarity reversal |
|                                                  | Surge protection                     |
| Protective circuit/component                     | Polarity protection diode            |

#### Connection data

|                                        |                     |
|----------------------------------------|---------------------|
| Connection method                      | Screw connection    |
| Stripping length                       | 8 mm                |
| Screw thread                           | M3                  |
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 2.5 mm <sup>2</sup> |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 14                  |

#### General data

|                                         |                  |
|-----------------------------------------|------------------|
| Width                                   | 6.2 mm           |
| Height                                  | 80 mm            |
| Depth                                   | 56 mm            |
| Test voltage input/output               | 2.5 kV AC        |
| Ambient temperature (operation)         | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °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              |
| Pollution degree       | 2                         |
| Surge voltage category | III                       |

#### Certificates / Approvals



Certification

GOST

**Address**

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