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Extract from the online catalog

DEK-OE- 24DC/ 24DC/100KHZ-G

Order No.: 2964348

The illustration shows the version DEK-OE- 24DC/ 24DC/100KHZ-G



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964348>

Input optocoupler, with DC voltage output push-pull, transmission frequency 100 kHz, with light indicator and protection circuit in input and output circuit, input: 24 V DC, output: 14 - 30 V DC/ 50 mA



| Commercial data | |
|--------------------------|---------------------|
| GTIN (EAN) | 4 017918 107420 |
| sales group | G120 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 141 (IF-2009) |

Product notes

WEEE/RoHS-compliant since:
05/12/2006

<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 in reference to U_N | ≤ 0.4 |

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| | |
|--|--------------------------------------|
| Switching threshold "1" signal in reference to U_N | ≥ 0.8 |
| Typical input current at U_N | 8 mA |
| Typical response time | 1 μ s |
| Typical turn-off time | 2 μ s |
| Operating voltage display | Yellow LED |
| Type of protection | Protection against polarity reversal |
| | Surge protection |
| Protective circuit/component | Polarity protection diode |
| Transmission frequency | 100 kHz |

Output data

| | |
|--|--|
| Output nominal voltage range | 14 V DC ... 30 V DC |
| Limiting continuous current | 50 mA |
| Quiescent current | 15 mA |
| Voltage drop at max. limiting continuous current | ≤ 2.2 V DC |
| Output circuit | 3-conductor push-pull, ground referenced |
| Type of protection | Surge protection |
| Protective circuit/component | Suppressor diode |

Connection data

| | |
|--|---------------------|
| Type of connection | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |

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 |

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| | |
|----------------------------------|---------------------------|
| Mounting position | Any |
| Assembly instructions | In rows with zero spacing |
| Operating mode | 100% operating factor |
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | IEC 62103 |
| Rated surge voltage / insulation | Basic insulation |
| Pollution degree | 2 |
| Surge voltage category | II |

Certificates / Approvals

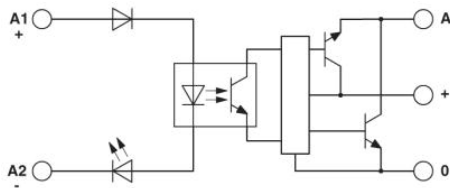


Certification

GOST

Diagrams/Drawings

Circuit diagram



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Address

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



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