

DEK-OE- 5DC/ 24DC/100KHZ-G

Order No.: 2964555

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




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964555>

Input optocoupler, with DC voltage output push-pull, transmission frequency 100 kHz, with light indicator and protection circuit in input and output circuit, input: 5 V DC, output: 14 - 30 V DC/ 50 mA



Commercial data

| | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 130992 |
| sales group | G120 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 141 (IF-2009) |

Product notes

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



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Technical data

Input data

| | |
|--|-------------|
| Nominal input voltage U_N | 5 V DC |
| Input voltage range in reference to U_N | 0.5 ... 1.2 |
| Switching threshold "0" signal in reference to U_N | ≤ 0.3 |

| | |
|--|--------------------------------------|
| Switching threshold "1" signal in reference to U_N | ≥ 0.5 |
| 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

| | |
|--|---------------------|
| Connection method | 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 |

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

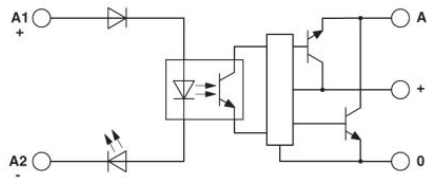


Certification

GOST

Diagrams/Drawings

Circuit diagram



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