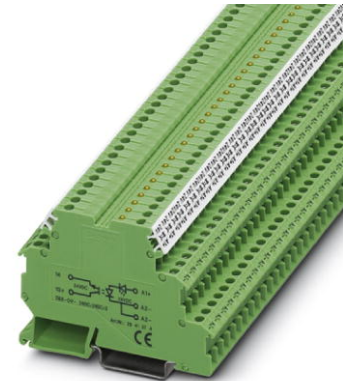


DEK-OV- 24DC/ 24DC/ 3/AKT

Order No.: 2964296




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964296>

Power optocoupler terminal block for actuator, input: 24 V DC, output: 3-30 V DC/3 A, terminal width 6.2 mm



Commercial data

| | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 104191 |
| sales group | G121 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 121 (IF-2009) |

Product notes

WEEE/RoHS-compliant since:
09/04/2006



<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 |

| | |
|--|--------------------------------------|
| Switching threshold "1" signal in reference to U_N | ≥ 0.8 |
| Typical input current at U_N | 7 mA |
| Typical response time | 40 μ s |
| Typical turn-off time | 200 μ s |
| Operating voltage display | Yellow LED |
| Type of protection | Protection against polarity reversal |
| Transmission frequency | 300 Hz |

Output data

| | |
|--|--------------------------------------|
| Output nominal voltage range | 3 V DC ... 30 V DC |
| Limiting continuous current | 3 A (see derating curve) |
| Voltage drop at max. limiting continuous current | ≤ 0.2 V |
| Output circuit | 2-wire, floating |
| Type of protection | Protection against polarity reversal |
| | Surge protection |

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 |

| | |
|----------------------------------|-----------------------|
| Name | Standards/regulations |
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | IEC 62103 |
| Rated surge voltage / insulation | Basic insulation |
| Pollution degree | 2 |
| Surge voltage category | III |

Certificates / Approvals



Certification

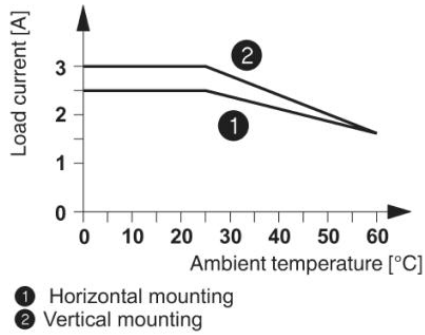
GOST

Accessories

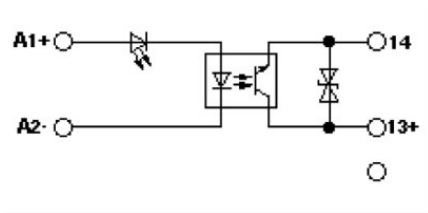
| Item | Designation | Description |
|----------------|---------------|---|
| Bridges | | |
| 2716648 | EB 2- DIK BU | Insertion bridge, Number of positions: 2, Color: blue |
| 2716693 | EB 2- DIK RD | Insertion bridge, Number of positions: 2, Color: red |
| 2716651 | EB 3- DIK BU | Insertion bridge, Number of positions: 3, Color: blue |
| 2716745 | EB 3- DIK RD | Insertion bridge, Number of positions: 3, Color: red |
| 2716664 | EB 4- DIK BU | Insertion bridge, Number of positions: 4, Color: blue |
| 2716758 | EB 4- DIK RD | Insertion bridge, Number of positions: 4, Color: red |
| 2716677 | EB 5- DIK BU | Insertion bridge, Number of positions: 5, Color: blue |
| 2716761 | EB 5- DIK RD | Insertion bridge, Number of positions: 5, Color: red |
| 2716680 | EB 10- DIK BU | Insertion bridge, Number of positions: 10, Color: blue |
| 2716774 | EB 10- DIK RD | Insertion bridge, Number of positions: 10, Color: red |
| 2715940 | EB 80- DIK BU | Insertion bridge, Number of positions: 80, Color: blue |
| 2715953 | EB 80- DIK RD | Insertion bridge, Number of positions: 80, Color: red |
| 2715788 | EB 80- DIK WH | Insertion bridge, Number of positions: 80, Color: white |

Diagrams/Drawings

Diagram



Circuit diagram



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