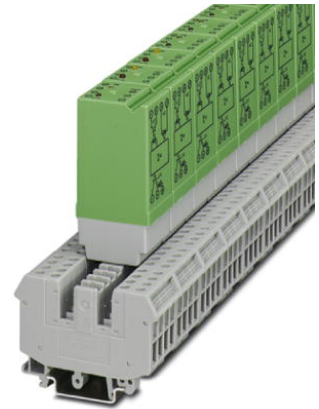


ST-OV4- 24DC/ 24DC/4-PRO


Order No.: 2905585

The illustration shows the version ST-OV4- 24DC/24DC/1-PRO



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2905585>

Pluggable protection circuit power optocoupler, with signal logic, pluggable on 4-position basic termination blocks, input: 24 V DC, output: short-circuit resistant, 18-36 V DC/4 A

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) |  |
| sales group | G101 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 139 (IF-2009) |

Product notes

WEEE/RoHS-compliant since:
10/17/2006



<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 \pm 50% |
| Switching threshold "0" signal, voltage | 5 V DC |
| Switching threshold "1" signal voltage | 8.5 V DC |
| Typical input current at U_N | 6.5 mA |

| | |
|------------------------------|--------------------------------------|
| Typical response time | 300 µs |
| Typical turn-off time | 700 µs |
| Status display | Yellow LED |
| Operating voltage display | Yellow LED |
| Type of protection | Protection against polarity reversal |
| Protective circuit/component | Polarity protection diode |
| Transmission frequency | 100 Hz |

Output data

| | |
|--|---|
| Output nominal voltage range | 18 V DC ... 36 V DC |
| Limiting continuous current | 4 A (see derating curve) |
| Min. load current | 1 mA |
| Current limitation at short-circuits | Approx. 70 A |
| Voltage drop at max. limiting continuous current | 200 mV |
| Output circuit | 3-conductor, ground-referenced |
| Indication | Red LED |
| Type of protection | Protection against polarity reversal Free-wheeling diode |
| Protective circuit/component | Damping diode |
| Output nominal voltage range | 5 V DC ... 36 V DC |
| Limiting continuous current | 50 mA |
| Voltage drop at max. limiting continuous current | ≤ 1.5 V |
| Output circuit | 2-wire, floating |
| Type of protection | Protection against polarity reversal |
| Protective circuit/component | Polarity protection diode |

General data

| | |
|---|---------------------------|
| Width | 27 mm |
| Height | 63.5 mm |
| Depth | 114 mm |
| Test voltage input/output | 2.5 kV AC |
| Test voltage output/output | 2.5 kV AC |
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | 0 °C ... 70 °C |
| Mounting position | Any |
| Assembly instructions | In rows with zero spacing |

| | |
|----------------------------------|------------------|
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | IEC 62103 |
| Rated surge voltage / insulation | Basic insulation |

Certificates / Approvals

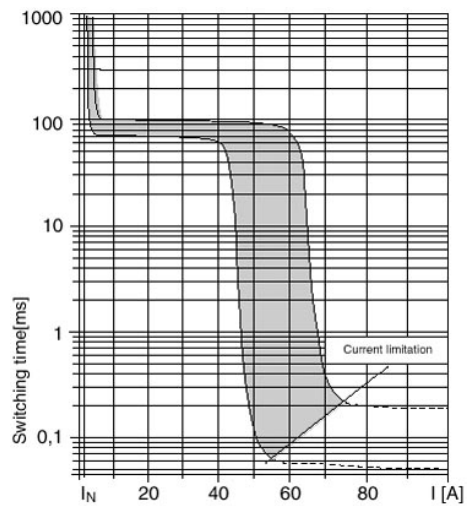
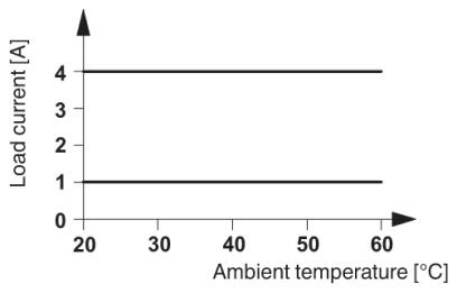


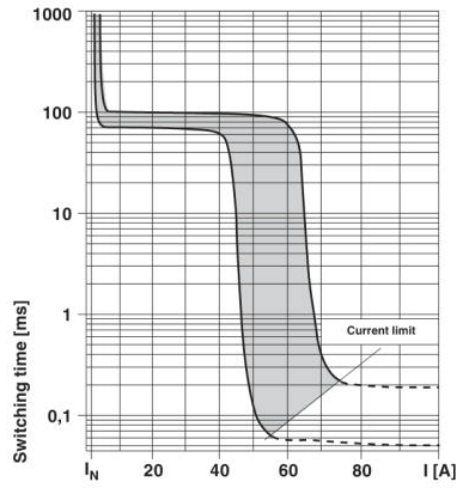
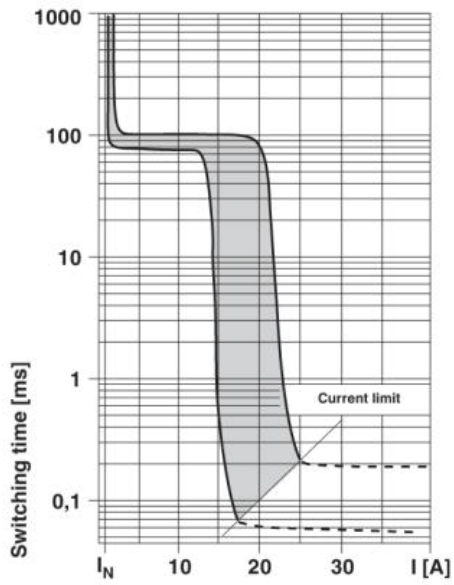
Certification

GOST

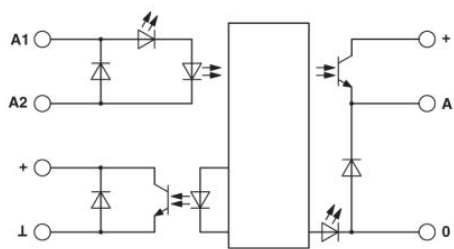
Diagrams/Drawings

Diagram





Circuit diagram



1 = protection and signal logic

Address

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



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