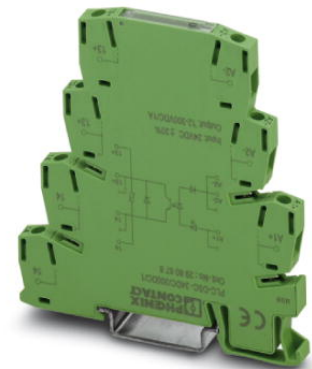


PLC-OSC- 12DC/300DC/ 1

Order No.: 2980665

The illustration shows the version PLC-OSC-24DC/300DC/1



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2980665>

PLC relay, integrated optocoupler, with screw connection, for mounting on DIN rail NS 35/7.5, input: 12 V DC, output: 12-300 V DC/1 A

| Commercial data | |
|--------------------------|-------------------|
| EAN | 4046356051408 |
| Pack | 10 pcs. |
| Customs tariff | 85364900 |
| Weight/Piece | 0.036 KG |
| Catalog page information | Page 88 (IF-2007) |

Product notes

WEEE/RoHS-compliant since:
01/19/2007



<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 | 12 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 | 6 mA |
| Typical response time | 0.3 ms |
| Typical turn-off time | 0.8 ms |
| Operating voltage display | Yellow LED |
| Name of protection | Polarity protection Surge protection |
| Protective circuit/component | Polarity protection diode Varistor |
| Transmission frequency | 50 Hz |

Output data

| | |
|--|---|
| Name | Output data |
| Output nominal voltage range | 12 V DC ... 300 V DC (Partition plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal points in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or ...FBST 500...) |
| Limiting continuous current | 1 A (see derating curve) |
| Voltage drop at max. limiting continuous current | < 500 mV |
| Name of protection | Polarity protection Surge protection |
| Protective circuit/component | Polarity protection diode Varistor |

Connection data

| | |
|--|----------------------|
| Type of connection | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 14 |

General data

| | |
|--------|--------|
| Length | 80 mm |
| Width | 6.2 mm |

| | |
|---|---------------------------|
| Height | 86 mm |
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Mounting position | Any |
| Assembly instructions | In rows with zero spacing |
| Operating mode | 100% operating factor |
| Inflammability class in acc. with UL 94 (housing) | V0 |
| Pollution degree | 2 |
| Surge voltage category | III |

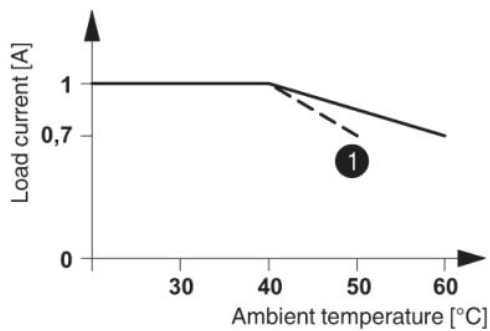
Certificates / Approvals

Certifications applied for: UL / CUL / GL

Drawings

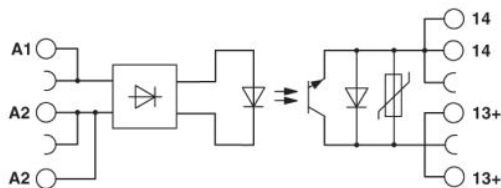
Diagram

The illustration shows the derating curve for PLC-...300DC/1



① For input voltages of 220 V DC and 230 V DC

Circuit diagram



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