1094759

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PLC-INTERFACE, consisting of basic terminal block with screw connection and plug-in miniature relay with internal amplifier circuit and an appropriate auxiliary supply for weak signal sources, 1 N/O contact, 5 V DC nominal input voltage

Commercial data

| Item number | 1094759 |
|--------------------------------------|--------------------------------|
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Note | Made to order (non-returnable) |
| Sales key | C461 |
| Product key | CK6226 |
| GTIN | 4055626918891 |
| Weight per piece (including packing) | 36.17 g |
| Weight per piece (excluding packing) | 32.12 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

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Technical data

Product properties

| Product type | Relay Module |
|--|---------------------------|
| Product family | PLC-INTERFACE |
| Application | weak signal sources |
| Operating mode | 100% operating factor |
| Mechanical service life | 2x 10 ⁷ cycles |
| Data management status | |
| Date of last data management | 18.12.2024 |
| lectrical properties Maximum power dissipation for nominal condition | 0.22 W |
| | |
| Insulation characteristics: Coil/contact | |
| Insulation characteristics: Coil/contact Rated insulation voltage | 250 V |
| | 250 V 6 kV |
| Rated insulation voltage | |
| Rated insulation voltage Rated impulse withstand voltage | 6 kV |
| Rated insulation voltage Rated impulse withstand voltage Overvoltage category | 6 kV III |
| Rated insulation voltage Rated impulse withstand voltage Overvoltage category Degree of pollution | 6 kV III |
| Rated insulation voltage Rated impulse withstand voltage Overvoltage category Degree of pollution Supply | 6 kV III 3 |

Input data

| Coil side | |
|--|-----------------------------|
| Nominal input voltage U _N | 5 V DC |
| Input voltage range | 4.5 V DC 6 V DC (20 °C) |
| Nominal voltage (plugged-in electromechanical relay) | 24 V DC |
| Drive and function | monostable |
| Drive (polarity) | polarized |
| Typical input current at U _N | 1 mA |
| Typical response time | 5 ms |
| Typical release time | 7 ms |
| Protective circuit | Reverse polarity protection |
| | Surge protection |
| Operating voltage display | Yellow LED |

Output data

| Switching | |
|------------------------|----------------|
| Contact switching type | 1 N/O contact |
| Type of switch contact | Single contact |



1094759

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| Contact connection type | Power contact |
|---------------------------------------|---|
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 12 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush current | 10 A (4 s) |
| Min. switching current | 10 mA |
| Short-circuit current | 200 A (conditional short-circuit current) |
| Interrupting rating (ohmic load) max. | 140 W (at 24 V DC) |
| | 20 W (at 48 V DC) |
| | 18 W (at 60 V DC) |
| | 23 W (at 110 V DC) |
| | 40 W (at 220 V DC) |
| | 1500 VA (for 250 V AC) |
| Switching capacity min. | 120 mW |
| | 4 A gL/gG NEOZED |

Connection data

| Connection method | Screw connection |
|----------------------------------|--|
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section rigid | 0.14 mm ² 2.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² 2.5 mm ² |
| | 0.2 mm ² 2.5 mm ² (Single ferrule) |
| | 2x 0.5 mm ² 1.5 mm ² (TWIN ferrule) |
| Conductor cross section AWG | 26 14 |
| Tightening torque | 0.45 Nm 0.55 Nm (Usually these terminal blocks must be supported during conductor connection (held by one hand, supported on the housing)) |

Dimensions

| Width | 6.2 mm |
|--------|--------|
| Height | 80 mm |
| Depth | 94 mm |

Material specifications

| Color | gray (RAL 7042) |
|-------|------------------|
| | gray (rote rotz) |

Environmental and real-life conditions

Ambient conditions

| Degree of protection (Relay base) | IP20 (Relay base) |
|--|--------------------------------|
| Degree of protection (Installation location) | ≥ IP54 (Installation location) |
| Ambient temperature (operation) | -25 °C 60 °C |
| Ambient temperature (storage/transport) | -40 °C 85 °C |



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| Certificate CE-compliant UKCA UKCA-compliant Certificate UKCA-compliant Shipbuilding approval TAE0000196 Certificate TAE0000196 Corrosive gas test ISA-S71.04. G3 Harsh Group Identification ISA-S71.04. G3 Harsh Group Temperature D Humidity A Vibration B/C EMC B Enclosure Required protection according to the Rules shall be provided upon installation on board AC data Conformance with EMC directive Low Voltage Directive Conformance with EMC directive Standards/regulations IEC 60947-5-1 | Altitude | ≤ 2000 m |
|--|-------------------------------|--|
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| Assembly note in rows with zero spacing | - | DIN rail mounting |
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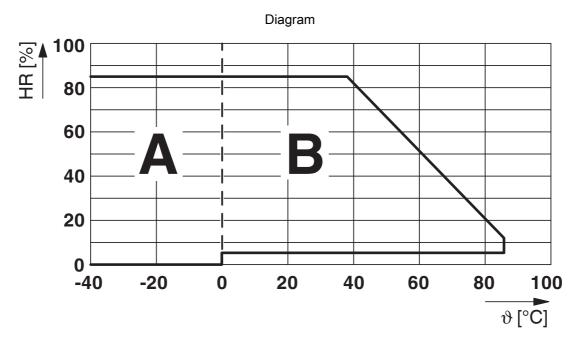
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Drawings



Permissible humidity for operation and storage.

The maximum permissible ambient temperature as specified in the data sheet must be observed.

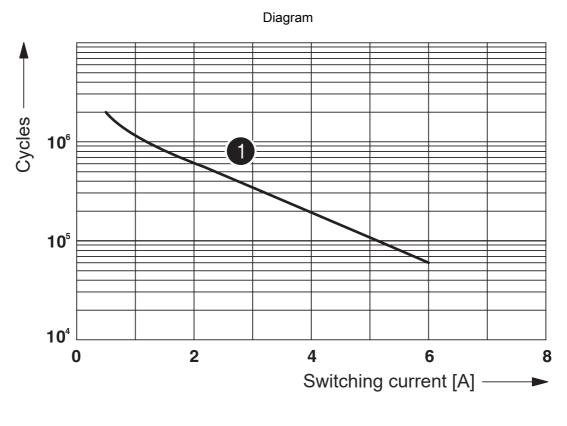
Area A: Ice buildup at ambient temperatures $\leq 0^{\circ}$ C must be prevented Area B: Condensation at ambient temperatures > 0°C must be prevented

On 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature ≤ 25°C.



1094759

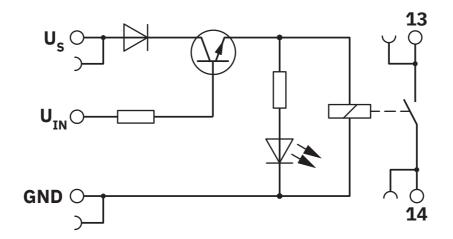
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1 250 V AC, ohmic load

Electrical service life

Circuit diagram





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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1094759

| ERC | EAC Approval ID: RU*C-DE.*08.B.00010 |
|-----|---|
| | |
| ERC | EAC Approval ID: RU D-DE.B*00573/18 |
| | |
| | CULus Listed Approval ID: E140324 |
| | |



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Classifications

ECLASS

| ECLASS-11.0 | 27371601 |
|-------------|----------|
| ECLASS-12.0 | 27371601 |
| ECLASS-13.0 | 27371601 |

ETIM

| | ETIM 9.0 | EC001437 | |
|--------|-------------|----------|--|
| UNSPSC | | | |
| | UNSPSC 21.0 | 39122300 | |



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Environmental product compliance

EU RoHS

| Fulfills EU RoHS substance requirements | Yes |
|---|--|
| Exemption | 7(a), 7(c)-l |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | e4c5f1dc-be58-47c8-a28d-10b5e07dceaf |
| | |

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