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PLC-INTERFACE, consisting of DIN-rail-mountable basic terminal block in 14 mm with Push-in connection and plug-in relay with 10 A power contact, 1 changeover contact, 12 V DC input voltage. Approved according to ATEX/IECEx (Zone 2) and Ex Zone Class I, Div. 2.



Key Commercial Data

| Packing unit | 10 STK |
|------------------------|-----------------|
| Minimum order quantity | 10 STK |
| GTIN | 4 055626 363684 |
| GTIN | 4055626363684 |

Technical data

Note

| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|
| Dimensions | |

| Width | 14 mm |
|--------|-------|
| Height | 80 mm |
| Depth | 94 mm |

Ambient conditions

| Ambient temperature (operation) | -20 °C 60 °C (UL) |
|---|-----------------------------|
| | -40 °C 60 °C (ATEX / IECEx) |
| Ambient temperature (storage/transport) | -40 °C 85 °C |

Coil side

| Nominal input voltage U _N | 12 V DC |
|---|---------|
| Typical input current at U _N | 33 mA |
| Typical response time | 8 ms |
| Typical release time | 10 ms |



Technical data

Coil side

| Protective circuit | Reverse polarity protection Polarity protection diode |
|---|---|
| | Free-wheeling diode Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.4 W |

Contact side

| Contact type | 1 PDT |
|--|---|
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC orFBST 500) |
| Minimum switching voltage | 12 V AC/DC |
| Min. switching current | 100 mA |
| Maximum inrush current | 30 A (300 ms) |
| Limiting continuous current | 10 A |
| | 6 A (value applies to connections 12. If connections 12 are bridged, the normal value applies.) |
| Interrupting rating (ohmic load) max. | 240 W (at 24 V DC) |
| | 58 W (at 48 V DC) |
| | 48 W (at 60 V DC) |
| | 50 W (at 110 V DC) |
| | 80 W (at 220 V DC) |
| | 2500 VA (for 250 V AC) |
| Interrupting rating (ohmic load) max. bridged | 144 W (for 24 V DC. Value applies to connections 12. If connections 12 are bridged, the normal value applies.) |
| | 1500 VA (for 250 V AC. Value applies to connections 12. If connections 12 are bridged, the normal value applies.) |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 2 A (at 24 V, DC13) |
| | 0.2 A (at 110 V, DC13) |
| | 0.2 A (at 250 V, DC13) |
| | 6 A (at 24 V, AC15) |
| | 6 A (at 120 V, AC15) |
| | 6 A (at 250 V, AC15) |
| | |

General

| Test voltage relay winding/relay contact | 4 kV AC (50 Hz, 1 min.) |
|--|----------------------------|
| Operating mode | 100% operating factor |
| Degree of protection | RT II (Relay) |
| | IP20 (Relay base) |
| Mechanical service life | 3x 10 ⁷ cycles |
| ATEX | # II 3G Ex ec nC IIC T4 Gc |
| EU-type examination certificate | IBExU16ATEXB015 X |



Technical data

General

| IECEx | Ex ec nC IIC T4 Gc |
|-----------------------|---------------------------------------|
| IECEx certificate | IECEx IBE 16.0029X |
| UL, USA | Class I, Zone 2, AEx nA nC IIC T6 |
| UL, USA/Canada | Class I, Div. 2, Groups A, B, C, D |
| UL, Canada | Class I, Zone 2, Ex nA nC IIC Gc T6 X |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Connection data input side

| Connection name | Coil side |
|----------------------------------|---|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm² 2.5 mm² |
| Conductor cross section flexible | 0.14 mm² 2.5 mm² |
| | 0.2 mm ² 2.5 mm ² () |
| | 2x 0.5 mm ² 1 mm ² () |
| Conductor cross section AWG | 26 14 |

Connection data output side

| Connection name | Contact side |
|----------------------------------|---|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm² 2.5 mm² |
| Conductor cross section flexible | 0.14 mm² 2.5 mm² |
| | 0.2 mm ² 2.5 mm ² () |
| | 2x 0.5 mm ² 1 mm ² () |
| Conductor cross section AWG | 26 14 |

Standards and Regulations

| Designation | Standards/regulations |
|--|---------------------------------------|
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | EN 60079-0, -7, -15 |
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 6 kV |
| Insulation | Safe isolation, reinforced insulation |
| Degree of pollution | 2 |
| Overvoltage category | III |
| Flammability rating according to UL 94 | V0 |
| Conformance | CE-compliant |
| ATEX | # II 3G Ex ec nC IIC T4 Gc |
| IECEx | Ex ec nC IIC T4 Gc |



Technical data

Standards and Regulations

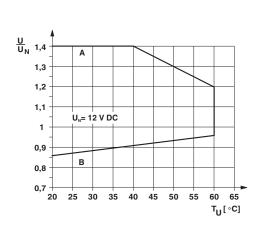
| UL, USA | Class I, Zone 2, AEx nA nC IIC T6 |
|----------------|---------------------------------------|
| UL, USA/Canada | Class I, Div. 2, Groups A, B, C, D |
| UL, Canada | Class I, Zone 2, Ex nA nC IIC Gc T6 X |

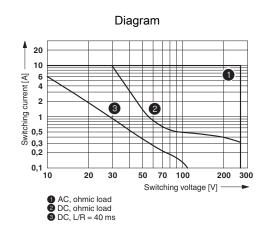
Environmental Product Compliance

| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|--|
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings





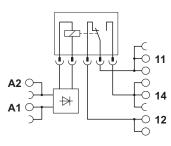


Interrupting rating

Curve A Maximum permissible continuous voltage U_{max} with limiting continuous current on the contact side (see relevant technical data) Curve B

Minimum permissible operate voltage U_{op} after pre-excitation (see relevant technical data)

Circuit diagram



Approvals

Approvals



Approvals EAC Ex Approvals IECEx / UL Listed / cUL Listed / ATEX / cULus Listed Approval details EAC EAC RU C-DE.A*30.B.01082

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