

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PLC-INTERFACE for railway applications, consisting of basic terminal block with push-in connection and plug-in miniature relay with power contact, range: $0.7 \times U_N$ to $1.25 \times U_N$, temperature class TX: -40°C to +70°C, 2 PDTs, input voltage 24 V DC

The figure shows a version with a screw connection

Product Features

- Certified according to EN 50155
- ☑ Safe isolation according to DIN EN 50178 between coil and contact
- ☑ Vibration and shock resistance according to EN 50155
- Spring-cage and Push-in connection technology





Key commercial data

| Packing unit | 1 pc |
|--------------------------------------|-----------|
| Weight per Piece (excluding packing) | 99.99 GRM |
| Custom tariff number | 85364190 |
| Country of origin | Germany |

Technical data

Note

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

Dimensions

| Width | 14 mm |
|--------|-------|
| Height | 80 mm |



Technical data

Dimensions

| Depth | 94 mm |
|-------|-------|
| ' | |

Ambient conditions

| Ambient temperature (operation) | -40 °C 70 °C (Temperature class TX) |
|---|-------------------------------------|
| Ambient temperature (storage/transport) | -40 °C 85 °C |

Coil side

| Nominal input voltage U _N | 24 V DC |
|--|-----------------------------------|
| Input voltage range in reference to U _N | 0.7 1.25 |
| Typical input current at U _N | 20 mA |
| Typical response time | 5 ms |
| Typical release time | 11 ms |
| Operating voltage display | Yellow LED |
| Protective circuit | Bridge rectifier Bridge rectifier |
| | Free-wheeling diode Damping diode |
| | Surge protection |
| | RCZ filter |
| | Wide-range electronics |

Contact side

| Contact type | 2 PDT |
|--|---|
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC (Separating plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules.) |
| Minimum switching voltage | 5 V (at 10 mA) |
| Maximum inrush current | 15 A (300 ms) |
| Min. switching current | 10 mA (At 5 V) |
| Limiting continuous current | 6 A |
| Interrupting rating (ohmic load) max. | 140 W (at 24 V DC) |
| | 85 W (at 48 V DC) |
| | 60 W (at 60 V DC) |
| | 44 W (at 110 V DC) |
| | 60 W (at 220 V DC) |
| | 1500 VA (for 250 V AC) |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 2 A (at 24 V, DC13) |
| | 0.2 A (at 250 V, DC13) |
| | 3 A (at 24 V, AC15) |
| | 3 A (at 120 V, AC15) |



Technical data

Contact side

| | 3 A (at 250 V, AC15) |
|--|---------------------------------------|
| General | |
| Test voltage relay winding/relay contact | 5 kV _{rms} (50 Hz, 1 min.) |
| Test voltage PDT/PDT | 2.5 kV _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Degree of protection | Relay socket |
| | RT III (Relay) |
| Mechanical service life | Approx. 3 x 10 ⁷ cycles |
| Inflammability class according to UL 94 | V0 |
| Standards/regulations | EN 50155 (VDE 0115 part 200) |
| | EN 50178 |
| | IEC 62103 |
| | EN 61373 |
| | EN 50121 |
| Rated surge voltage / insulation | 6 kV / Basic isolation |
| Rated insulation voltage | 250 V AC |
| Pollution degree | 2 |

Connection data

Surge voltage category

Mounting position

Assembly instructions

| Connection method | Push-in connection |
|--|---------------------|
| Stripping length | 8 mm |
| Conductor cross section stranded min. | 0.14 mm² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section AWG/kcmil max | 14 |
| Conductor cross section AWG/kcmil min. | 26 |

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In rows with zero spacing

Classifications

eCl@ss

| eCl@ss 4.0 | 27371001 |
|------------|----------|
| eCl@ss 4.1 | 27371001 |
| eCl@ss 5.0 | 27371001 |



Classifications

eCl@ss

| eCl@ss 5.1 | 27371001 |
|------------|----------|
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

ETIM

| ETIM 4.0 | EC000196 |
|----------|----------|
| ETIM 5.0 | EC000196 |

UNSPSC

| UNSPSC 6.01 | 30211916 |
|---------------|----------|
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39121515 |

Approvals

Approvals

Approvals

GL / UL Listed / cUL Listed / UL Recognized / cUL Recognized / cULus Recognized / cULus Listed

Ex Approvals

Approvals submitted

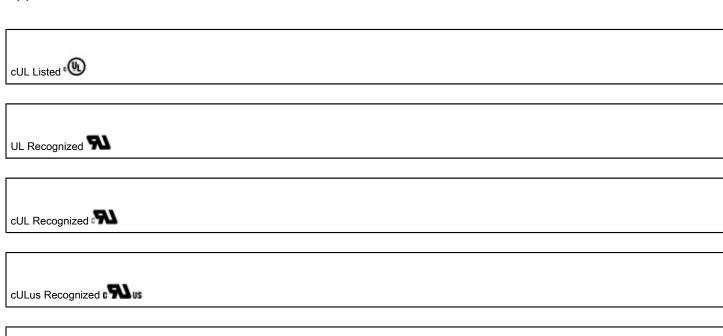
Approval details

GL

UL Listed

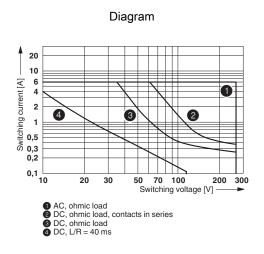


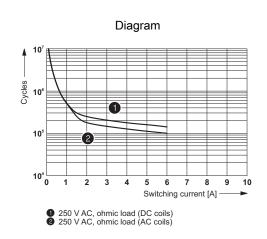
Approvals



Drawings

cULus Listed • 🕦 😘



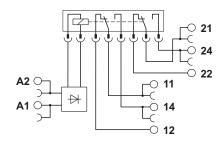


Electrical service life

Interrupting rating



Circuit diagram



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