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The illustration shows the 24 V version.

Pre-assembled relay module with push-in connection, consisting of: relay base with ejector and power contact relay. Contact type: 1 PDT. Input voltage: 12 V DC



Key Commercial Data

| Packing unit | 1 pc |
|--------------------------------------|----------|
| Weight per Piece (excluding packing) | 28.0 g |
| Custom tariff number | 85364110 |
| Country of origin | Germany |

Technical data

Note

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

Dimensions

| Width | 6.2 mm |
|--------|--------|
| Height | 93 mm |
| Depth | 78 mm |

Ambient conditions

| Ambient temperature (operation) | -40 °C 60 °C |
|---|--------------|
| Ambient temperature (storage/transport) | -40 °C 85 °C |

Coil side

| Nominal input voltage U _N | 12 V DC |
|--|-------------|
| Input voltage range in reference to U _N | see diagram |



Technical data

Coil side

| Typical input current at U _N | 16 mA |
|---|---------------|
| Typical response time | 5 ms |
| Typical release time | 8 ms |
| Coil voltage | 12 V DC |
| Protective circuit | Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.19 W |

Contact side

| Contact type | 1 PDT |
|--|------------------------|
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 100 mA) |
| Min. switching current | 10 mA (at 12 V) |
| Maximum inrush current | 10 A (4 s) |
| Limiting continuous current | 6 A |
| 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 in acc. with DIN VDE 0660/IEC 60947 | 1 A (at 24 V, DC13) |
| | 0.2 A (at 110 V, DC13) |
| | 0.1 A (at 220 V, DC13) |
| | 3 A (at 24 V, AC15) |
| | 3 A (at 120 V, AC15) |
| | 3 A (at 230 V, AC15) |

Connection data input side

| Connection name | Coil side |
|----------------------------------|--|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm² 1.5 mm² |
| Conductor cross section flexible | 0.14 mm² 1.5 mm² |
| | 0.14 mm ² 1.5 mm ² (Ferrule with plastic sleeve) |
| | 0.14 mm ² 1.5 mm ² (Ferrules without plastic sleeve) |
| Conductor cross section AWG | 26 16 |



Technical data

Connection data output side

| Connection name | Contact side |
|----------------------------------|--|
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm² 1.5 mm² |
| Conductor cross section flexible | 0.14 mm² 1.5 mm² |
| | 0.14 mm² 1.5 mm² (Ferrule with plastic sleeve) |
| | 0.14 mm² 1.5 mm² (Ferrules without plastic sleeve) |
| Conductor cross section AWG | 26 16 |

General

| Test voltage relay winding/relay contact | 4 kV _{rms} (50 Hz, 1 min.) |
|--|-------------------------------------|
| Operating mode | 100% operating factor |
| Degree of protection | IP20 (Relay socket) |
| | RT III (Relay) |
| Mechanical service life | Approx. 2 x 10 ⁷ cycles |
| Standards/regulations | DIN EN 50178 |
| | IEC 62103 |
| Rated insulation voltage | 250 V AC |
| Degree of pollution | 2 |
| Overvoltage category | III |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Standards and Regulations

| Standards/regulations | DIN EN 50178 |
|--------------------------|----------------|
| | IEC 62103 |
| Rated insulation voltage | 250 V AC |
| Insulation | safe isolation |
| Degree of pollution | 2 |
| Overvoltage category | III |



Articles in set

Single relay - REL-MR- 12DC/21 - 2961150



Plug-in miniature power relay, with power contact, 1 PDT, input voltage 12 V DC

Relay socket - RIF-0-BPT/21 - 2900958



RIF-0... relay base, for miniature power relay with 1 PDT or solid-state relays of the same design, push-in connection, for mounting on NS 35/7,5

Classifications

eCl@ss

| eCl@ss 4.0 | 27371102 |
|------------|----------|
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371603 |
| eCl@ss 5.1 | 27371603 |
| eCl@ss 6.0 | 27371603 |
| eCl@ss 7.0 | 27371603 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 27371601 |

ETIM

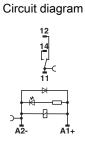
| ETIM 3.0 | EC001456 |
|----------|----------|
| ETIM 4.0 | EC001456 |
| ETIM 5.0 | EC001437 |

UNSPSC

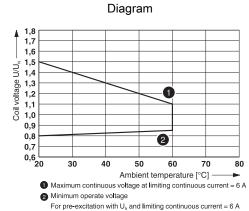
| UNSPSC 6.01 | 30211917 |
|---------------|----------|
| UNSPSC 7.0901 | 39121516 |
| UNSPSC 11 | 39121516 |
| UNSPSC 12.01 | 39121516 |
| UNSPSC 13.2 | 39121516 |



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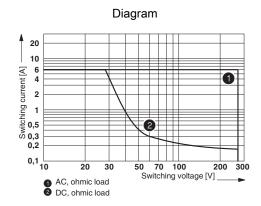


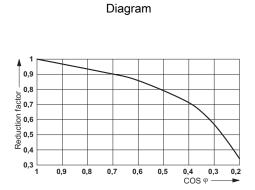
DC coils



Operating voltage range

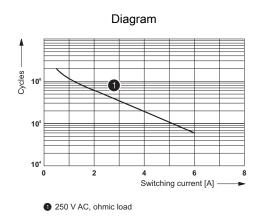






Interrupting rating

Service life reduction factor



Electrical service life

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