

Single relay - REL-PR1-110DC/1/MB - 2908044

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Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 110 V DC

The figure shows version REL-PR1-24DC/1/MB

Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 80.000 g |
| Custom tariff number | 85364900 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|--------|---------|
| Width | 38.6 mm |
| Height | 45.5 mm |
| Depth | 36.1 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Coil side

| | |
|---|-------------|
| Nominal input voltage U_N | 110 V DC |
| Input voltage range in reference to U_N | see diagram |
| Typical input current at U_N | 15 mA |
| Typical response time | 20 ms |
| Typical release time | 15 ms |

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Technical data

Contact side

| | |
|--|------------------------|
| Contact type | 1 N/O contact |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 440 V AC |
| | 350 V DC |
| Minimum switching voltage | 5 V (At 24 mA) |
| Min. switching current | 5 mA (at 24 V) |
| Maximum inrush current | 50 A (20 ms) |
| | 30 A (4 s) |
| Limiting continuous current | 16 A |
| Interrupting rating (ohmic load) max. | 384 W (at 24 V DC) |
| | 768 W (at 48 V DC) |
| | 930 W (at 60 V DC) |
| | 1650 W (at 110 V DC) |
| | 2640 W (at 220 V DC) |
| | 4000 VA (for 250 V AC) |
| Switching capacity min. | 120 mW |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 1 A (at 220 V, DC13) |
| | 1.5 A (at 240 V, AC15) |

General

| | |
|--|--------------------------------|
| Test voltage relay winding/relay contact | 2.5 kV |
| Operating mode | 100% operating factor |
| Degree of protection | RT I |
| Mechanical service life | Approx. 2×10^7 cycles |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Designation | Standards/regulations |
| Standards/regulations | IEC 61810 |
| Mounting position | any |

Standards and Regulations

| | |
|-----------------------|-----------------------|
| Rated surge voltage | 4 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Designation | Standards/regulations |
| Standards/regulations | IEC 61810 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
| eCl@ss 4.1 | 27371104 |
| eCl@ss 5.0 | 27371601 |
| eCl@ss 5.1 | 27371601 |
| eCl@ss 6.0 | 27371601 |
| eCl@ss 7.0 | 27371601 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 27371601 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001437 |
| ETIM 3.0 | EC001437 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |

UNSPSC

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| |
|-------------------------|
| EAC 7500651.22.01.00244 |
|-------------------------|

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Accessories

Additional products

Relay socket - RIF-4-BPT/3X21 - 2900961



RIF-4... relay base, for high-power relay with 2 or 3 PDTs or 3 N/O contacts, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5