

Relay Module - RIF-1-RPT-LDP-12DC/2X21 - 2906223

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Pre-assembled relay module with push-in connection, consisting of: relay base, power contact relay, plug-in display/suppressor module, and retaining bracket. Contact type: 2 PDTs. Input voltage: 12 V DC


Product Description

The pluggable electromechanical and solid-state relays in the RIFLINE complete product range and the base are recognized and approved in accordance with UL 508.

The relevant approvals can be called up at the individual components in question.



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| GTIN |  4 055626 047805 |
| GTIN | 4055626047805 |
| Weight per Piece (excluding packing) | 68.000 g |
| Custom tariff number | 85364110 |
| Country of origin | China |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
| Type of note | Notes on operation |
| Note | FBS 2-6... plug-in bridge for the input side (A2) and FBS-2-8... plug-in bridge for the output side (11/21) |

Dimensions

| | |
|--------|-------|
| Width | 16 mm |
| Height | 93 mm |
| Depth | 75 mm |

Ambient conditions

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Technical data

Ambient conditions

| | |
|---|-------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Degree of protection | IP20 (Relay base) |
| | RT III (Relay) |

Coil side

| | |
|---|---------------|
| Nominal input voltage U_N | 12 V DC |
| Input voltage range in reference to U_N | see diagram |
| Typical input current at U_N | 33 mA |
| Typical response time | 8 ms |
| Typical release time | 10 ms |
| Coil voltage | 12 V DC |
| Protective circuit | Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.4 W |

Contact side

| | |
|---------------------------------------|---------------------------|
| Contact type | 2 PDT |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 10 mA) |
| Min. switching current | 10 mA (At 5 V) |
| Maximum inrush current | 25 A (20 ms, N/O contact) |
| Limiting continuous current | 8 A (see diagram) |
| Interrupting rating (ohmic load) max. | 192 W (at 24 V DC) |
| | 96 W (at 48 V DC) |
| | 60 W (at 60 V DC) |
| | 44 W (at 110 V DC) |
| | 57 W (at 220 V DC) |
| | 2000 VA (for 250 V AC) |
| Switching capacity | 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) |
| | 3 A (at 250 V, AC15) |

General

| | |
|--|---------------------------------------|
| Test voltage relay winding/relay contact | 4 kV _{rms} (50 Hz, 1 min.) |
| Test voltage PDT/PDT | 2.5 kV _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 3x 10 ⁷ cycles |