

Relay Module - RIF-1-RPT-LV-230AC/1X21 - 2903339

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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: 1 PDT. Input voltage: 230 V AC

The figure shows the 24 V DC version



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 10 STK |
| Minimum order quantity | 10 STK |
| GTIN |  4 046356 732758 |
| GTIN | 4046356732758 |
| Weight per Piece (excluding packing) | 68.300 g |
| Custom tariff number | 85364900 |
| Country of origin | Germany |

Technical data

Note

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

Dimensions

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

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Coil side

| | |
|-----------------------------|----------|
| Nominal input voltage U_N | 230 V AC |
|-----------------------------|----------|

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Technical data

Coil side

| | |
|---|----------------|
| Input voltage range in reference to U_N | see diagram |
| Mains frequency | 50 Hz |
| | 60 Hz |
| Typical input current at U_N | 6 mA |
| Typical response time | 3 ms ... 12 ms |
| Typical release time range | 3 ms ... 20 ms |
| Coil voltage | 230 V AC |
| Protective circuit | Varistor |
| Operating voltage display | Yellow LED |

Contact side

| | |
|--|---------------------------|
| Contact type | 1 PDT |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 12 V (at 10 mA) |
| Min. switching current | 10 mA (at 12 V) |
| Maximum inrush current | 25 A (20 ms, N/O contact) |
| Limiting continuous current | 10 A (see diagram) |
| 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) |
| 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) |

Connection data input side

| | |
|---|--|
| Connection name | Coil side |
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 1.5 mm ² (with or without ferrule) |
| Conductor cross section flexible (2 conductors with same cross section) | 0.14 mm ² ... 1 mm ² (Ferrule with plastic sleeve) |
| | 0.14 mm ² ... 1.5 mm ² (Ferrules without plastic sleeve) |
| Conductor cross section AWG | 26 ... 16 |