## Relay Module - RIF-1-RPT-LDP-24DC/2X21/FG - 2908215

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Pre-assembled relay module with Push-in connection, consisting of: relay base, safety relay with force-guided contacts in accordance with DIN EN 50205, plug-in display/interference suppression module, and retaining bracket, contact type: 2 changeover contacts, input voltage: 24 V DC

## Product Description

The force-guided coupling relay module is approved for industrial control equipment in accordance with UL 508 (cULus listed). The requirements for Type A in accordance with DIN EN 50205 are satisfied if the circuit is designed as $1 \mathrm{~N} / \mathrm{O}$ contact / $1 \mathrm{~N} / \mathrm{C}$ contact.

Key Commercial Data

| Packing unit | 10 STK |
| :---: | :---: |
| GTIN |  |
| GTIN | 4055626289151 |
| Weight per Piece (excluding packing) | 71.520 g |
| Custom tariff number | 85364110 |
| Country of origin | Czech Republic |

## Technical data

Note

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

## Dimensions

| Width | 16 mm |
| :--- | :--- |
| Height | 93 mm |
| Depth | 70 mm |

Ambient conditions

| Ambient temperature (operation) | $-20^{\circ} \mathrm{C} \ldots 50^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Ambient temperature (storage/transport) | $-20^{\circ} \mathrm{C} \ldots 70^{\circ} \mathrm{C}$ |

## Coil side

| Nominal input voltage $U_{N}$ | 24 V DC |
| :--- | :--- |

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## Technical data

Coil side

| Input voltage range in reference to $U_{N}$ | see diagram |
| :--- | :--- |
| Typical input current at $U_{N}$ | 30 mA |
| Typical response time | 10 ms |
| Typical release time | 10 ms |
| Coil voltage | 24 V DC |
| Protective circuit | Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.72 W |

## Contact side

| Contact type | 2 changeover contacts, forcibly actuated |
| :---: | :---: |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | $15 \mathrm{~V} \mathrm{AC/DC}$ |
| Min. switching current | 10 mA |
| Maximum inrush current | 6 A |
| Limiting continuous current | 6 A |
| Interrupting rating (ohmic load) max. | 144 W (at 24 V DC) |
|  | 288 W (at 48 V DC) |
|  | 88 W (at 110 V DC) |
|  | 110 W (at 220 V DC) |
|  | 1500 VA (for $250 \mathrm{~V} \mathrm{AC)}$ |
| Switching capacity in acc. with DIN VDE 0660/IEC 60947 | 2 A (at $24 \mathrm{~V}, \mathrm{DC} 13$ ) |
|  | 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 | $0.14 \mathrm{~mm}^{2} \ldots 1.5 \mathrm{~mm}^{2}$ |
| Conductor cross section flexible | $0.14 \mathrm{~mm}^{2} \ldots 1.5 \mathrm{~mm}^{2}$ |
|  | $0.14 \mathrm{~mm}^{2} \ldots 1.5 \mathrm{~mm}^{2}$ (Ferrule with plastic sleeve) |
|  | $0.14 \mathrm{~mm}^{2} \ldots 1 \mathrm{~mm}^{2}$ (Ferrule with plastic sleeve, two conductors on <br> double terminal block) |
| Conductor cross section AWG | $26 \ldots 16$ (solid) |
|  | $26 \ldots 16$ (stranded) |

Connection data output side

| Connection name | Contact side |
| :--- | :--- |
| Connection method | Push-in connection |
| Stripping length | 8 mm |
| Conductor cross section solid | $0.14 \mathrm{~mm}^{2} \ldots 1.5 \mathrm{~mm}^{2}$ |

