

Relay Module - PLC-RSP- 36DC/21AU - 2900172

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PLC INTERFACE, with spring-cage connection and plug-in miniature relay, for mounting on NS 35/7,5 DIN rail, 1 PDT (AU), input voltage 36 V DC

Your advantages

- Slim design



Key Commercial Data

| | |
|------------------------|--|
| Packing unit | 10 pc |
| Minimum order quantity | 100 pc |
| GTIN |  4 046356 484978 |
| GTIN | 4046356484978 |

Technical data

Note

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

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 94 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
|---------------------------------|------------------|

Coil side

| | |
|---|---|
| Nominal input voltage U_N | 36 V DC |
| Typical input current at U_N | 9.2 mA |
| Typical response time | 5 ms |
| Typical release time | 8 ms |
| Protective circuit | Reverse polarity protection Polarity protection diode |
| | Free-wheeling diode Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.33 W |

Contact side

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Technical data

Contact side

| | |
|---------------------------------------|----------------------------|
| Contact type | 1 PDT |
| Type of switch contact | Single contact |
| Contact material | Ag alloy, hard gold-plated |
| Maximum switching voltage | 30 V AC |
| | 36 V DC |
| Minimum switching voltage | 100 mV |
| Min. switching current | 1 mA |
| Maximum inrush current | 50 mA |
| Limiting continuous current | 50 mA |
| Interrupting rating (ohmic load) max. | 1.2 VA (at 24 V DC) |

Contact side (with destroyed gold layer)

| | |
|---------------------------------------|--|
| Note | the following values are applicable if a gold layer is destroyed |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 12 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush current | 6 A |
| Min. switching current | 10 mA |
| 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) |

Connection data input side

| | |
|----------------------------------|---|
| Connection name | Coil side |
| Connection method | Spring-cage connection |
| Conductor cross section solid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 14 ... 24 |

Connection data output side

| | |
|----------------------------------|---|
| Connection name | Contact side |
| Connection method | Spring-cage connection |
| Conductor cross section solid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 14 ... 24 |

General

| | |
|-----------------------|---------------------------|
| Degree of protection | RT III (Relay) |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

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Technical data

Standards and Regulations

| | |
|----------------------------------|---|
| Connection in acc. with standard | CUL |
| Designation | Air clearances and creepage distances, input |
| Standards/regulations | EN 50178 |
| Rated insulation voltage | 50 V |
| Rated surge voltage | 0.5 kV |
| Insulation | Basic insulation |
| Degree of pollution | 2 |
| Overvoltage category | II |
| Designation | Air clearances and creepage distances, output |
| Standards/regulations | EN 50178 |
| Rated insulation voltage | 260 V |
| Rated surge voltage | 2.3 kV |
| Insulation | Basic insulation |
| Degree of pollution | 2 |
| Overvoltage category | II |
| Designation | Air clearances and creepage distances, input/output |
| Standards/regulations | EN 50178 |
| Rated insulation voltage | 280 V |
| | 280 V |
| Rated surge voltage | 6 kV |
| Insulation | Reinforced insulation |
| Degree of pollution | 2 |
| Overvoltage category | III |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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