

Relay connectors - ST-REL3-SG-B 60/21/P - 2824064

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Relay plug, fitted with latching miniature switching relay, contacts (AgSnO): small to large loads, 1 PDT, 60 V DC input voltage, with protection against polarity reversal and freewheeling diode, positive switching

The figure shows version ST-REL3-SG-B 24/21/M



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 10 pc |
| GTIN |  4 017918 139346 |
| GTIN | 4017918139346 |

Technical data

Note

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

Dimensions

| | |
|--------|---------|
| Width | 20.8 mm |
| Height | 33 mm |
| Depth | 66.5 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

Coil side

| | |
|---|-------------|
| Nominal input voltage U_N | 60 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Typical input current at U_N | typ. 9 mA |
| Typical response time | 5 ms |
| Typical release time | 5 ms |

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Technical data

Coil side

| | |
|---|---|
| Coil voltage | 24 V DC |
| Protective circuit | Free-wheeling diode Damping diode |
| | Reverse polarity protection Polarity protection diode |
| Pulse time range | 30 ms ... 5 s |
| Power dissipation for nominal condition | 0.54 W |

Contact side

| | |
|---------------------------------------|------------------------|
| Contact type | Single contact, 1-PDT |
| Type of switch contact | Single contact |
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (At 5 V) |
| | 24 V (at 24 V) |
| Min. switching current | 1 mA (at 24 V) |
| | 100 mA (At 5 V) |
| Maximum inrush current | 8 A |
| Limiting continuous current | 6 A |
| Interrupting rating (ohmic load) max. | 144 W (at 24 V DC) |
| | 43 W (at 48 V DC) |
| | 42 W (at 60 V DC) |
| | 55 W (at 110 V DC) |
| | 100 W (at 220 V DC) |
| | 1500 VA (for 250 V AC) |

General

| | |
|--|-------------------------------------|
| Test voltage relay winding/relay contact | 2 kV _{rms} (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 10 ⁷ cycles |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |

Standards and Regulations

| | |
|--------------------------|--|
| Standards/regulations | IEC 60664 |
| | IEC 60664A |
| | DIN VDE 0110 |
| | DIN VDE 0109-11, draft |
| | DIN EN 50178/VDE 0160 (in relevant parts) |
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 2.5 kV |
| Pollution degree | 2 |
| Overvoltage category | II |
| Designation | Air clearances and creepage distances between the power circuits |

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Standards and Regulations

| | |
|-----------------------|------------------|
| Standards/regulations | DIN EN 50178 |
| Insulation | Basic insulation |

Environmental Product Compliance

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.0 | 27371601 |
| eCl@ss 5.1 | 27371600 |
| eCl@ss 6.0 | 27371600 |
| 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 |
| ETIM 6.0 | EC001437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39122334 |
| UNSPSC 19.0 | 39122334 |

Accessories

Additional products

Basic terminal block - URELG 3-PMTK - 2820709



Basic termination blocks with test connection on both sides and knife disconnection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

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Accessories

Basic terminal block - UDK-RELG 3 - 2777043



Basic termination blocks with test connection on both sides and double connections with the same potential for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

Basic terminal block - URELG 3 - 2820136



Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

Basic terminal block - ZFK-RELG 3 - 2829917



Basic termination blocks with spring-cage connection for NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

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