

## Relay connectors - ST-REL3-KG230/21/SO46 - 2832027

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Plug-in relay interface for protection against interference on the control side, with soldered-in miniature switching relay, contacts (AgNi): Medium to large loads, 1 PDT, 230 V AC input voltage

### Your advantages

- ✔ Use of AC output cards, resulting in residual AC currents
- ✔ Resistant to interference currents
- ✔ High relay release voltage
- ✔ Applications with long control lines

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 10 pc   |
| GTIN                                 | <br>4 017918 078577 |
| GTIN                                 | 4017918078577   |
| Weight per Piece (excluding packing) | 41.400 g  |
| Custom tariff number                 | 85364900  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20.8 mm |
| Height | 42.5 mm |
| Depth  | 112 mm  |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

#### Coil side

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## Technical data

### Coil side

|   |                                   |
|---|-----------------------------------|
| Nominal input voltage $U_N$               | 230 V AC                          |
| Input voltage range in reference to $U_N$ | 0.9 ... 1.1                       |
| Typical input current at $U_N$            | 18 mA AC                          |
| Typical response time                     | 10 ms                             |
| Typical release time                      | 8 ms                              |
| Protective circuit                        | Bridge rectifier Bridge rectifier |
|   | Surge protection Varistor         |
|   | RC element RC element             |
| Operating voltage display                 | Yellow LED                        |
| Power dissipation for nominal condition   | 4.14 W                            |

### Contact side

|                                       |                        |
|---------------------------------------|------------------------|
| Contact type                          | Single contact, 1-PDT  |
| Type of switch contact                | Single contact         |
| Contact material                      | AgNi                   |
| Maximum switching voltage             | 250 V AC/DC            |
| Maximum inrush current                | 8 A                    |
| Limiting continuous current           | 6 A                    |
| Interrupting rating (ohmic load) max. | 95 W (at 24 V DC)      |
|                                       | 50 W (at 48 V DC)      |
|                                       | 45 W (at 60 V DC)      |
|                                       | 35 W (at 110 V DC)     |
|                                       | 55 W (at 220 V DC)     |
|                                       | 2000 VA (for 250 V AC) |

### General

|  |                                |
|--|--------------------------------|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)      |
| Mechanical service life                  | approx. $2 \times 10^7$ cycles |
| Mounting position                        | any                            |

### Standards and Regulations

|                       |                  |
|-----------------------|------------------|
| Standards/regulations | IEC 60664        |
|                       | EN 50178         |
| Insulation            | Basic insulation |
| Pollution degree      | 2                |
| Overvoltage category  | III              |

### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |