

## Relay connectors - ST-REL4-KG 24/21-21/AU - 2829551

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Relay connector, fitted with miniature switching relay, contacts (AgNi+Au): Small to large loads, 2 PDT, 24 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

RoHS

### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 078508 |
| GTIN                                 | 4017918078508   |
| Weight per Piece (excluding packing) | 51.540 g  |
| Custom tariff number                 | 85364190  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 27 mm   |
| Height | 33 mm   |
| Depth  | 66.5 mm |

#### Ambient conditions

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

#### Coil side

|   |             |
|---|-------------|
| Nominal input voltage $U_N$               | 24 V AC/DC  |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.1 |
| Typical input current at $U_N$            | 19 mA       |

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## Technical data

### Coil side

|   |                            |
|---|----------------------------|
| Typical response time                   | 9 ms (with DC)             |
| Typical release time                    | 10 ms (with DC)            |
| Protective circuit                      | Bridge rectifier, varistor |
| Operating voltage display               | yes                        |
| Power dissipation for nominal condition | 0.46 W                     |

### Contact side

|                                       |                       |
|---------------------------------------|-----------------------|
| Contact type                          | Single contact, 2-PDT |
| Type of switch contact                | Single contact        |
| Contact material                      | Hard gold plated AgNi |
| Maximum switching voltage             | 30 V AC/DC            |
| Maximum inrush current                | 50 mA                 |
| Limiting continuous current           | 50 mA                 |
| Interrupting rating (ohmic load) max. | 1.2 W (at 24 V DC)    |

### General

|  |                                |
|--|--------------------------------|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)      |
| Test voltage PDT/PDT                     | 1 kV AC (50 Hz, 1 min.)        |
| Operating mode                           | 100% operating factor          |
| Mechanical service life                  | approx. $2 \times 10^7$ cycles |

### Standards and Regulations

|                       |  |
|-----------------------|--|
| Standards/regulations | DIN VDE 0110b, Gr. C for 250 V DC          |
|                       | IEC 60255/DIN VDE 0435 (in relevant parts) |
|                       | DIN EN 50178/VDE 0160 (in relevant parts)  |
|                       | EN 60730/DIN VDE 0631                      |
|                       | DIN VDE 0160 (in relevant parts)           |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| 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 10.0.1 | 27371601 |
| eCl@ss 4.0    | 27371100 |
| eCl@ss 4.1    | 27371100 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27371600 |
| 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 |
| ETIM 7.0 | EC001437 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11     | 39121515 |
| UNSPSC 12.01  | 39121515 |
| UNSPSC 13.2   | 39122334 |
| UNSPSC 18.0   | 39122334 |
| UNSPSC 19.0   | 39122334 |
| UNSPSC 20.0   | 39122334 |
| UNSPSC 21.0   | 39122334 |

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

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#### Approval details

## Relay connectors - ST-REL4-KG 24/21-21/AU - 2829551

### Approvals

EAC



TR\_TS\_D\_00573\_c

### Accessories

#### Additional products

Basic terminal block - URELG 4-PMTK - 2820712



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, 4-pos.

Basic terminal block - UDK-RELG 4 - 2777056



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, 4-pos.

Basic terminal block - URELG 4 - 2820149



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, 4-pos.

Basic terminal block - ZFK-RELG 4 - 2829920



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, 4-pos.

