

## Relay connectors - ST-REL7-KG230/21-21 - 2822451

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 2 PDT, 230 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

The illustration shows version ST-REL 7-KG 24/21-21



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 077297 |
| Weight per Piece (excluding packing) | 65.33 GRM                                                                                               |
| Custom tariff number                 | 85364900                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 45.6 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 $U_N$               | 230 V AC/DC    |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.06   |
| Typical input current at $U_N$            | 4 mA           |
| Typical response time                     | 6 ms (with DC) |

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## Technical data

### Coil side

|                           |                            |
|---------------------------|----------------------------|
| Typical release time      | 7 ms (with DC)             |
| Operating voltage display | Yes                        |
| Protective circuit        | Bridge rectifier, varistor |

### Contact side

|                                       |                        |
|---------------------------------------|------------------------|
| Contact type                          | Single contact, 2-PDT  |
| Contact material                      | AgNi                   |
| Maximum switching voltage             | 250 V AC/DC            |
| Maximum inrush current                | 6 A                    |
| Limiting continuous current           | 5 A                    |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC)     |
|                                       | 85 W (at 48 V DC)      |
|                                       | 60 W (at 60 V DC)      |
|                                       | 40 W (at 110 V DC)     |
|                                       | 60 W (at 220 V DC)     |
|                                       | 1250 VA (for 250 V AC) |

### General

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.)                     |
| Test voltage PDT/PDT                     | 2 kV AC (50 Hz, 1 min.)                       |
| Operating mode                           | 100% operating factor                         |
| Mechanical service life                  | Approx. $2 \times 10^7$ cycles                |
| Standards/regulations                    | DIN VDE 0110b, Gr. C for 250 V DC             |
|                                          | IEC 60255/DIN VDE 0435 (in relevant parts)    |
|                                          | DIN EN 50178/DIN VDE 0160 (in relevant parts) |
|                                          | EN 60730/DIN VDE 0631                         |
|                                          | DIN VDE 0160 (in relevant parts)              |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
| eCl@ss 4.1 | 27371104 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC000196 |

#### UNSPSC

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

### Approvals

#### Approvals

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Approvals

GOST / GOST

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Ex Approvals

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Approvals submitted

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#### Approval details

GOST 

GOST 

### Drawings

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Circuit diagram

