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Relay connector, equipped with Hengstler miniature round relay, contacts (AgCdO+Au): small to large loads, 2 PDT, input voltage 48 V DC, with light indicator, can be plugged on basic termination blocks

The illustration shows version ST-REL 4-HG 24/21-21



### Key commercial data

| Packing unit                         | 1 pc            |
|--------------------------------------|-----------------|
| GTIN                                 | 4 017918 077440 |
| Weight per Piece (excluding packing) | 72.26 GRM       |
| 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 60 °C |
|---|--------------|
| Ambient temperature (storage/transport) | -20 °C 70 °C |

#### Coil side

| Nominal input voltage U <sub>N</sub>               | 48 V DC         |
|--|-----------------|
| Input voltage range in reference to U <sub>N</sub> | 0.8 1.1         |
| Typical input current at U <sub>N</sub>            | 16 mA           |
| Typical response time                              | 15 ms (with DC) |



# Technical data

#### Coil side

| Typical release time      | 25 ms (with DC)   |
|---------------------------|---|
| Operating voltage display | Yes   |
| Protective circuit        | Damping diode, polarity protection Damping diode, polarity protection diode |

#### Contact side

| Contact type                          | Single contact, 2-PDT   |
|---------------------------------------|-------------------------|
| Contact material                      | AgCdO, hard gold-plated |
| Maximum switching voltage             | 250 V AC/DC             |
| Maximum inrush current                | 6 A                     |
| Limiting continuous current           | 6 A                     |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC)      |
|                                       | 180 W (at 48 V DC)      |
|                                       | 105 W (at 60 V DC)      |
|                                       | 60 W (at 110 V DC)      |
|                                       | 90 W (at 220 V DC)      |
|                                       | 1250 VA (for 250 V AC)  |

#### General

| Test voltage relay winding/relay contact | 2 kV AC (50 Hz, 1 min.)           |
|--|-----------------------------------|
| Test voltage PDT/PDT                     | 2.5 kV AC (50 Hz, 1 min.)         |
| Operating mode                           | 100% operating factor             |
| Mechanical service life                  | Approx. 10 <sup>7</sup> cycles    |
| Standards/regulations                    | DIN VDE 0110b, Gr. C for 250 V DC |
|  | 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 |

#### **ETIM**

| ETIM 2.0 | EC000196 |
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# Classifications

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| ETIM 3.0 | EC000196 |
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| 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 |

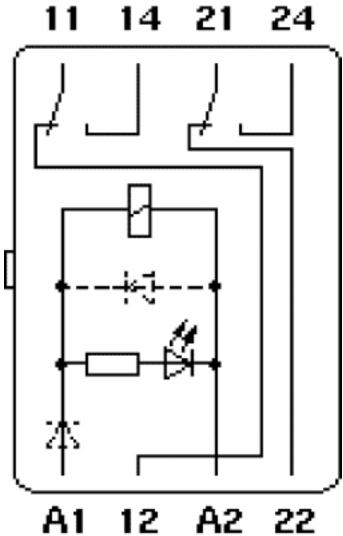
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Drawings







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