

## Relay connectors - ST-REL3-HW 24/21 - 2821054

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Relay connector, equipped with Hengstler miniature round relay, contacts (AgCdO+Au): small to large loads, 1 PDT, input voltage 24 V AC, with light indicator, can be plugged on basic termination blocks

The illustration shows version ST-REL3-HG 24/21



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 076979 |
| Weight per Piece (excluding packing) | 62.61 GRM                                                                                               |
| Custom tariff number                 | 85364190                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20.8 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 $U_N$               | 24 V AC                                      |
| Input voltage range in reference to $U_N$ | 0.8 ... 1.1                                  |
| Typical input current at $U_N$            | 75 mA                                        |
| Typical response time                     | 4 ms ... 15 ms (depending on phase relation) |

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### Technical data

#### Coil side

|                            |                                              |
|----------------------------|----------------------------------------------|
| Typical release time range | 4 ms ... 15 ms (depending on phase relation) |
| Operating voltage display  | Yes                                          |

#### Contact side

|                                       |                         |
|---------------------------------------|-------------------------|
| Contact type                          | Single contact, 1-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)      |
|                                       | 1500 VA (for 250 V AC)  |

#### General

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Test voltage relay winding/relay contact | 2 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 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| 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

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### Drawings

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Circuit diagram

