

ST-REL4-HG 24/ 1- 1 - Relay connectors

2851011

<https://www.phoenixcontact.com/us/products/2851011>

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Relay connector, equipped with Hengstler miniature round relay, contacts (AgCdO+Au): small to large loads, 2 N/O contacts, input voltage 24 V DC, with light indicator, can be plugged on basic termination blocks

The figure shows version ST-REL 4-HW 24/1-1

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2851011 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | DK6126 |
| GTIN | 4017918078584 |
| Weight per piece (including packing) | 67.81 g |
| Weight per piece (excluding packing) | 65.48 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-------------------------|-----------------------|
| Product type | Relay Module |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 10^7 cycles |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 12.09.2025 |
|------------------------------|------------|

Electrical properties

| | |
|---|--|
| Maximum power dissipation for nominal condition | 0.5 W |
| Test voltage (Winding/contact) | 2 kV AC (50 Hz, 1 min., winding/contact) |
| Test voltage (N/O contact / N/O contact) | 2.5 kV AC (50 Hz, 1 min., N/O contact / N/O contact) |

Input data

Coil side

| | |
|---|--|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range | 19.2 V DC ... 26.4 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Typical input current at U_N | 21 mA |
| Typical response time | 15 ms (with DC) |
| Typical release time | 25 ms (with DC) |
| Protective circuit | Damping diode, polarity protection; Damping diode, polarity protection diode |
| Operating voltage display | yes |

Output data

Switching

| | |
|---------------------------------------|--|
| Contact switching type | Single contact, 2 N/O contact |
| Type of switch contact | Single contact |
| Contact material | AgCdO, hard gold-plated |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush 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) |

Dimensions

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

Material specifications

| | |
|-------|-------------|
| Color | transparent |
|-------|-------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Standards and regulations

| | |
|-----------------------|-----------------------------------|
| Standards/regulations | DIN VDE 0110b, Gr. C for 250 V DC |
| | DIN VDE 0160 (in relevant parts) |

Mounting

| | |
|---------------|------------------|
| Mounting type | Plug-in mounting |
|---------------|------------------|

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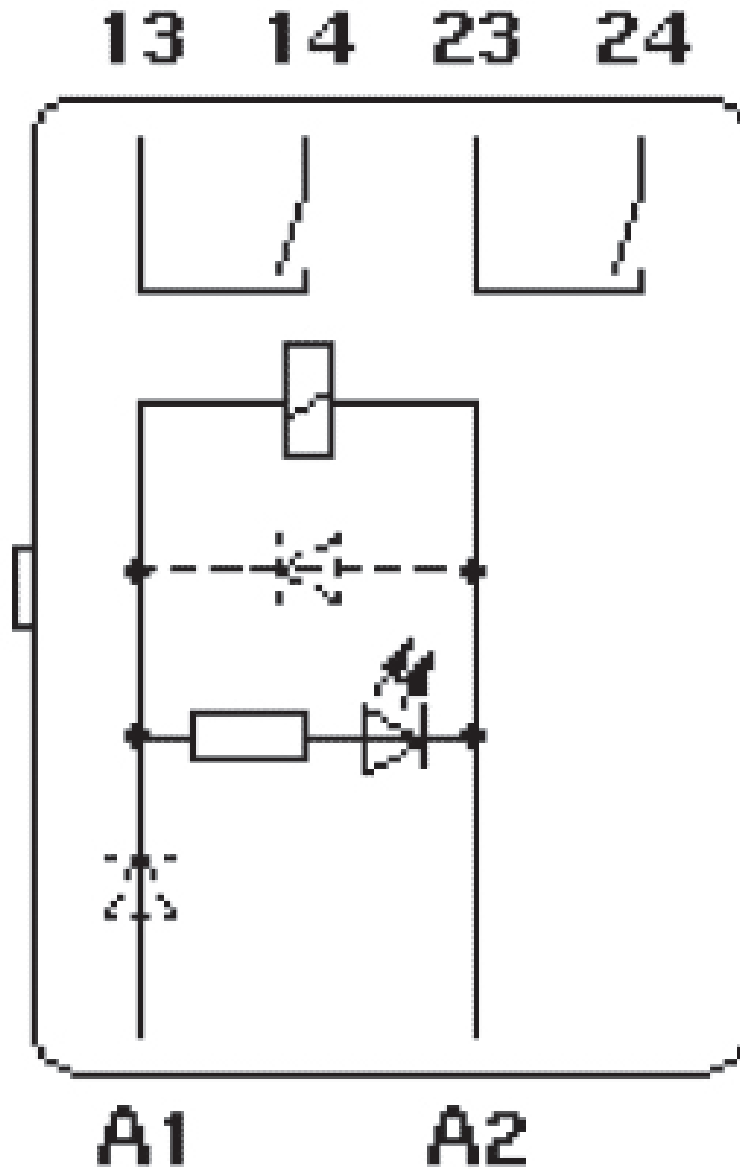


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Drawings

Circuit diagram



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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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