

ST-REL4-SW120/21-21 - Relay connectors



2825568

<https://www.phoenixcontact.com/us/products/2825568>

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Relay connector, equipped with Siemens KAMMRELAIS®, contacts (Ag): medium loads, 2 changeover contacts, input voltage 120 V AC, with LED display, pluggable into basic terminal blocks

The figure shows version ST-REL 4-SG 48/21-21

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2825568 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | DK6125 |
| GTIN | 4017918077815 |
| Weight per piece (including packing) | 70.98 g |
| Weight per piece (excluding packing) | 66 g |
| Customs tariff number | 85364900 |
| 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 (approx. 10^6 with AC relay) |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 01.04.2026 |
|------------------------------|------------|

Electrical properties

| | |
|--|--|
| Test voltage (Winding/contact) | 1 kV AC (50 Hz, 1 min., winding/contact) |
| Test voltage (Changeover contact/changeover contact) | 1 kV AC (50 Hz, 1 min., changeover contact/changeover contact) |

Input data

Coil side

| | |
|---|--------------------------|
| Nominal input voltage U_N | 120 V AC |
| Input voltage range | 96 V AC ... 132 V AC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Typical input current at U_N | 13 mA |
| Typical response time | 4 ms ... 15 ms (with AC) |
| Typical release time range | 4 ms ... 15 ms (with AC) |
| Operating voltage display | yes |

Output data

Switching

| | |
|---------------------------------------|---------------------------------------|
| Contact switching type | Single contact, 2 changeover contacts |
| Type of switch contact | Single contact |
| Contact material | Ag, gold-flashed |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 5 A |
| Maximum inrush current | 5 A |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC) |
| | 60 W (at 48 V DC) |
| | 50 W (at 60 V DC) |
| | 50 W (at 110 V DC) |
| | 70 W (at 220 V DC) |
| | 500 VA (for 250 V AC) |

Dimensions

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

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

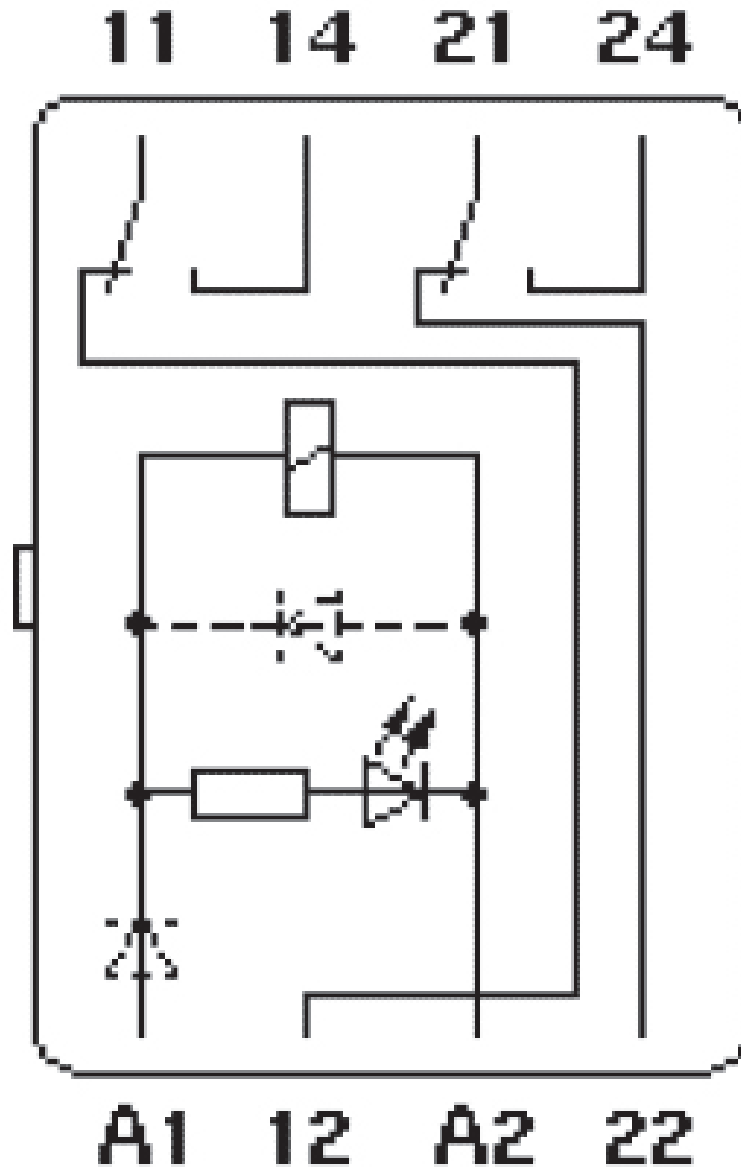
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Drawings

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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