

ST-REL3-KG120/21/AU/SO46 - Relay connectors



2829797

<https://www.phoenixcontact.com/us/products/2829797>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Plug-in relay interface for protection against interference on the control side, with soldered-in miniature switching relay, contacts (Au): small loads, 1 changeover contact, input voltage 120 V AC

The figure shows version ST-REL 3-KG 24/21/SO 46

Your advantages

- Use of AC output cards, resulting in residual AC currents
- Resistant to interference currents
- Applications with long control lines
- High relay release voltage

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2829797 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | DK6121 |
| GTIN | 4017918078560 |
| Weight per piece (including packing) | 41.52 g |
| Weight per piece (excluding packing) | 41.52 g |
| Customs tariff number | 85364900 |
| Country of origin | DE |

Technical data

Product properties

| | |
|-------------------------|--------------------------------|
| Product type | Relay Module |
| Mechanical service life | approx. 2×10^7 cycles |

Insulation characteristics

| | |
|----------------------|------------------|
| Insulation | Basic insulation |
| Overvoltage category | III |
| Pollution degree | 2 |

Data management status

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

Electrical properties

| | |
|---|--|
| Maximum power dissipation for nominal condition | 2.28 W |
| Test voltage (Winding/contact) | 2.5 kV AC (50 Hz, 1 min., winding/contact) |

Input data

Coil side

| | |
|---|------------------------------------|
| Nominal input voltage U_N | 120 V AC |
| Input voltage range | 102 V AC ... 132 V AC |
| Input voltage range in reference to U_N | 0.85 ... 1.1 |
| Drive and function | monostable |
| Typical input current at U_N | 19 mA |
| Typical response time | 8 ms |
| Typical release time | 11 ms |
| Protective circuit | Bridge rectifier; Bridge rectifier |
| | Surge protection; Varistor |
| | RC element; RC element |
| Operating voltage display | Yellow LED |

Output data

Switching

| | |
|---------------------------------------|--------------------------------------|
| Contact switching type | Double contact, 1 changeover contact |
| Type of switch contact | Double contact |
| Contact material | AgPd60, hard gold-plated |
| Maximum switching voltage | 30 V AC |
| Limiting continuous current | 0.5 A |
| Maximum inrush current | 0.2 A |
| Interrupting rating (ohmic load) max. | 5 W |

Dimensions

| | |
|-------|---------|
| Width | 20.8 mm |
|-------|---------|

ST-REL3-KG120/21/AU/SO46 - Relay connectors



2829797

<https://www.phoenixcontact.com/us/products/2829797>

| | |
|--------|---------|
| Height | 42.5 mm |
| Depth | 112 mm |

Material specifications

| | |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Standards and regulations

| | |
|-----------------------|-----------|
| Standards/regulations | IEC 60664 |
| | EN 50178 |

Mounting

| | |
|-------------------|------------------|
| Mounting type | Plug-in mounting |
| Mounting position | any |

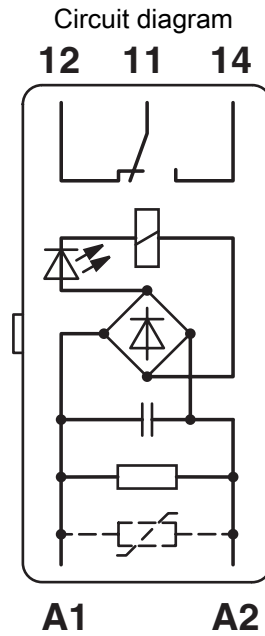
ST-REL3-KG120/21/AU/SO46 - Relay connectors



2829797

<https://www.phoenixcontact.com/us/products/2829797>

Drawings



Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com