

# 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. $2 \times 10^7$ cycles

### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Data management status

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

### 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

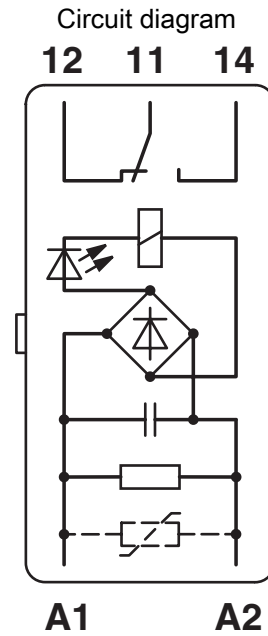
# ST-REL3-KG120/21/AU/SO46 - Relay connectors



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](mailto:info@phoenixcon.com)