

# Relay connectors - ST-REL3-KG120/21/AU/SO46 - 2829797

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Pluggable relay interfaces against interference on the control side, with soldered-in miniature switching relays, contacts (Au): small loads, 1 PDT, 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



## Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918078560

## Technical data

### Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

### Ambient conditions

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

### Coil side

Nominal input voltage $U_N$	120 V AC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Typical input current at $U_N$	19 mA

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### Technical data

#### Coil side

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
Power dissipation for nominal condition	2.28 W

#### Contact side

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

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	approx. $2 \times 10^7$ cycles
Mounting position	any

#### Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

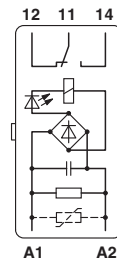
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

# Relay connectors - ST-REL3-KG120/21/AU/SO46 - 2829797

Circuit diagram



## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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## Approval details

EAC		RU C- DE.A*30.B.01082
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