

# Relay connectors - ST-REL3-KG120/21 - 2821164

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's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 PDT, 120 V AC/DC input voltage, with light indicator, can be plugged into basic terminal blocks

The figure shows version ST-REL3-KG 24/21



### **Key Commercial Data**

Packing unit	10 pc	
GTIN	4 017918 077051	
GTIN	4017918077051	

### Technical data

#### **Dimensions**

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

#### Ambient conditions

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

#### Coil side

Nominal input voltage U <sub>N</sub>	120 V AC/DC
Input voltage range in reference to U <sub>N</sub>	0.8 1.06
Typical input current at U <sub>N</sub>	5 mA
Typical response time	7 ms
Typical release time	11 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes
Power dissipation for nominal condition	0.6 W



# Relay connectors - ST-REL3-KG120/21 - 2821164

### Technical data

#### Contact side

Contact type	Single contact, 1-PDT	
Type of switch contact	Single contact	
Contact material	AgNi	
Maximum switching voltage	250 V AC/DC	
Maximum inrush current	8 A	
Limiting continuous current	6 A	
Interrupting rating (ohmic load) max.	95 W (at 24 V DC)	
	50 W (at 48 V DC)	
	45 W (at 60 V DC)	
	35 W (at 110 V DC)	
	55 W (at 220 V DC)	
	1500 VA (for 250 V AC)	

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)	
Operating mode	100% operating factor	
Mechanical service life	approx. 2x 10 <sup>7</sup> cycles	

#### Standards and Regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

#### **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"	

## Approvals

Approvals			

Approvals EAC

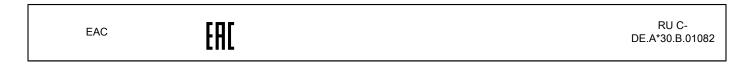
Ex Approvals

Approval details



# Relay connectors - ST-REL3-KG120/21 - 2821164

### **Approvals**



Phoenix Contact 2018 © - all rights reserved http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany Tel. +49 5235 300 Fax +49 5235 3 41200

http://www.phoenixcontact.com

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact: 2821164