

## ST-REL3-KG120/21


Order No.: 2821164

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

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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

### Commercial data

GTIN (EAN)	 4 017918 077051
sales group	G011
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 88 (IF-2005)

### Product notes

WEEE/RoHS-compliant since:  
01/25/2007

[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

## Technical data

### Coil side

Nominal input voltage $U_N$	120 V AC/DC
Input voltage range in reference to $U_N$	0.8 ... 1.06
Nominal input current at $U_{IN}$	5 mA
Typical response time	7 ms
Typical release time	11 ms (with DC)
Operating voltage display	Yes
Protective circuit/component	Bridge rectifier, varistor

### Contact side

Contact type	Single contact, 1-PDT
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 (for 48 V DC) 45 W (for 60 V DC) 35 W (for 110 V DC) 55 W (for 220 V DC) 1500 VA (for 250 V AC)

### General data

Width	20.8 mm
Height	33 mm
Depth	66.5 mm
Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Mechanical service life	Approx. $2 \times 10^7$ cycles

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)

### Certificates / Approvals



Certification

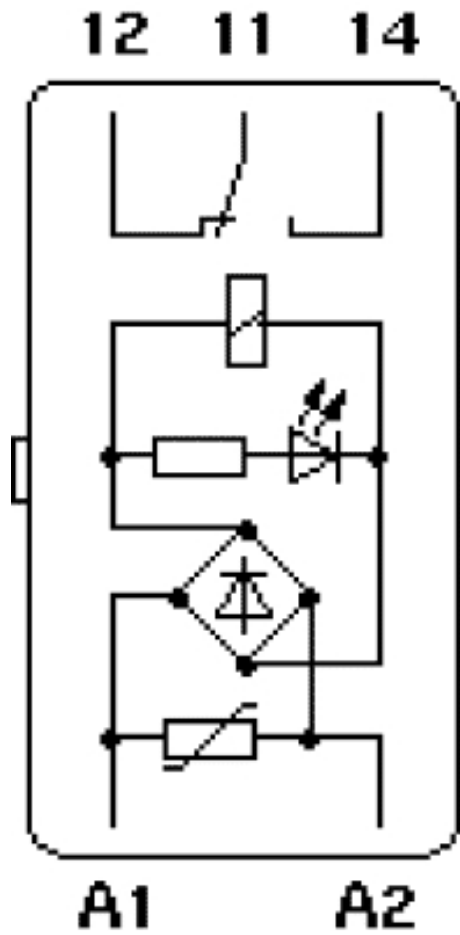
GOST

### Additional products

Item	Designation	Description
<b>General</b>		
2777043	UDK-RELG 3	Basic termination blocks with test connection on both sides and double connections with the same potential for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.
2820136	URELG 3	Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.
2820709	URELG 3-PMTK	Basic termination blocks with test connection on both sides and knife disconnection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.
2829917	ZFK-RELG 3	Basic termination blocks with spring-cage connection for NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.

Diagrams/Drawings

Circuit diagram



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