

ST-REL3-KG 48/21

Order No.: 2821232

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2821232>

Relay connector, fitted with miniature switching relay, contacts (AgNi):
Medium to large loads, 1 PDT, 48 V AC/DC input voltage, with light
indicator, can be plugged into basic terminal blocks

Commercial data

GTIN (EAN)	4 017918 077075
sales group	G011
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 88 (IF-2005)

Product notes

WEEE/RoHS-compliant since:
06/20/2006



<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
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Technical data

Coil side

Nominal input voltage U_N	48 V AC/DC
Input voltage range in reference to U_N	0.9 ... 1.1
Nominal input current at U_{IN}	8.5 mA
Typical response time	10 ms
Typical release time	10 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. 2×10^7 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

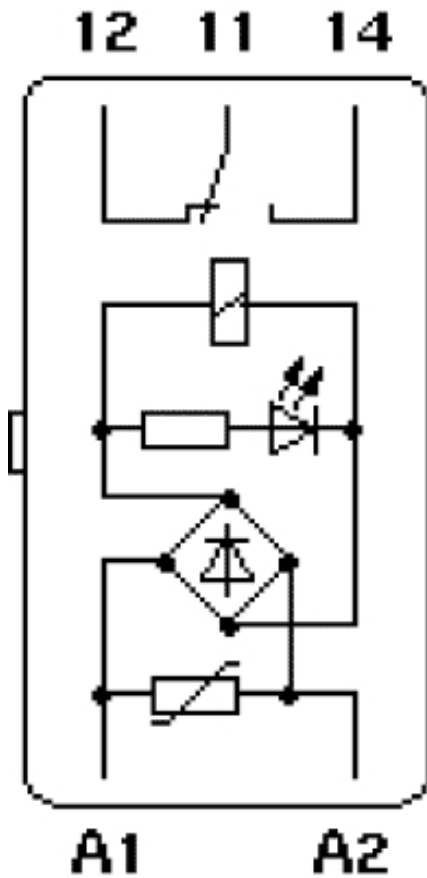
GOST

Additional products

Item	Designation	Description
General		
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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