


# ST-REL3-SG-B 24/21/M

Order No.: 2898155



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2898155>

Relay connector, equipped with remanence miniature switching relays, contacts (AgAu): small to large loads, 1 PDT, input voltage 24 V DC, with polarity protection and damping diode, minus switching

Commercial data	
GTIN (EAN)	 4 017918 078782
Note	Made-to-order
sales group	G011
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 88 (IF-2005)

### Product notes

WEEE/RoHS-compliant since:  
06/30/2006



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## Technical data

### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Nominal input current at $U_{IN}$	26 mA
Typical response time	10 ms (with DC)
Typical release time	10 ms (with DC)
Pulse time	30 ms ... 5 s
Type of protection	Damping diode, polarity protection
Protective circuit/component	Damping diode, polarity protection diode

### Contact side

Contact type	Single contact, 1-PDT
Contact material	(AgAu)
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	1500 VA (for 250 V AC)
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	40 W (for 48 V DC)
	35 W (for 60 V DC)
	30 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. 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Pollution degree	2
Surge voltage category	III

**Certificates / Approvals**



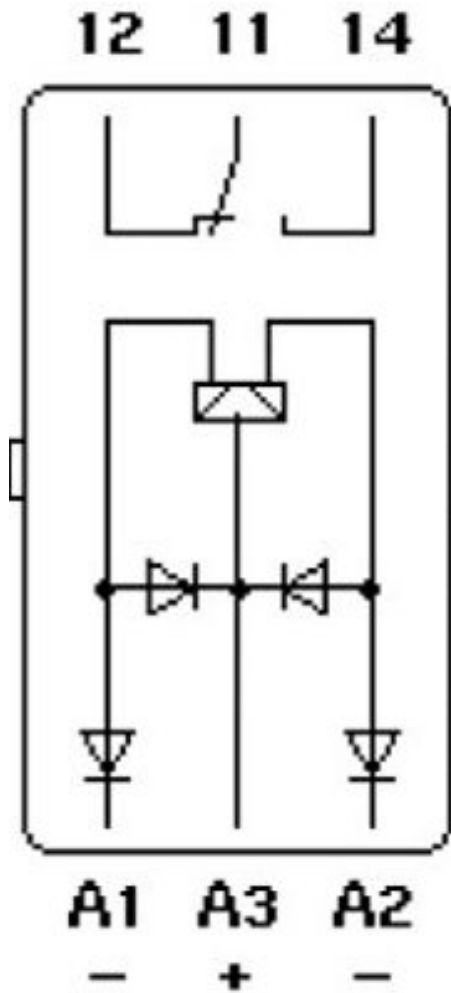
Certification GOST

**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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