

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)  
[2824255](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Extract from the online catalog

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

Order No.: 2824255


The illustration shows version ST-REL3-SG-B 24/21/M



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2824255>

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, plus switching

### Commercial data

GTIN (EAN)	 4 017918 077631
sales group	G011
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 88 (IF-2005)

### Product notes

WEEE/RoHS-compliant since:  
10/26/2006



<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 General Terms and Conditions of Use apply to Internet downloads.

ST-REL3-SG-B 24/21/P Order No.: 2824255  
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2824255>

**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 $U_{IN}$	28 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)
Limiting continuous current	6 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)
	60 W (For 220 V DC)

**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. $10^7$ cycles

ST-REL3-SG-B 24/21/P Order No.: 2824255

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2824255>

Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	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

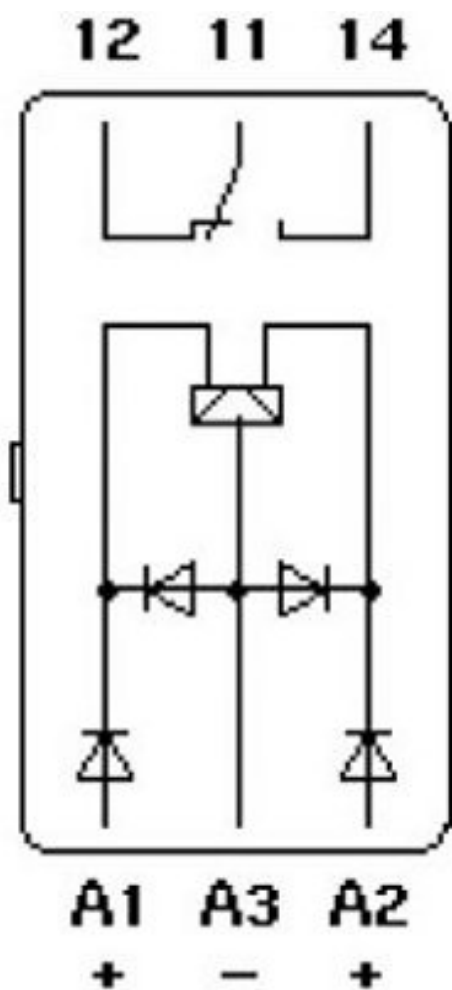
Item	Designation	Description
<b>General</b>		
2777043	UDK-RELG 3	Basic termination blocks with test connection on both sides and double connections with the same potential for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 3-pos.
2820136	URELG 3	Basic termination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

ST-REL3-SG-B 24/21/P Order No.: 2824255

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2824255>

## Diagrams/Drawings

Circuit diagram



ST-REL3-SG-B 24/21/P Order No.: 2824255

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2824255>

---

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;