


# 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)               | <br>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



<http://www.download.phoenixcontact.com>  
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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**



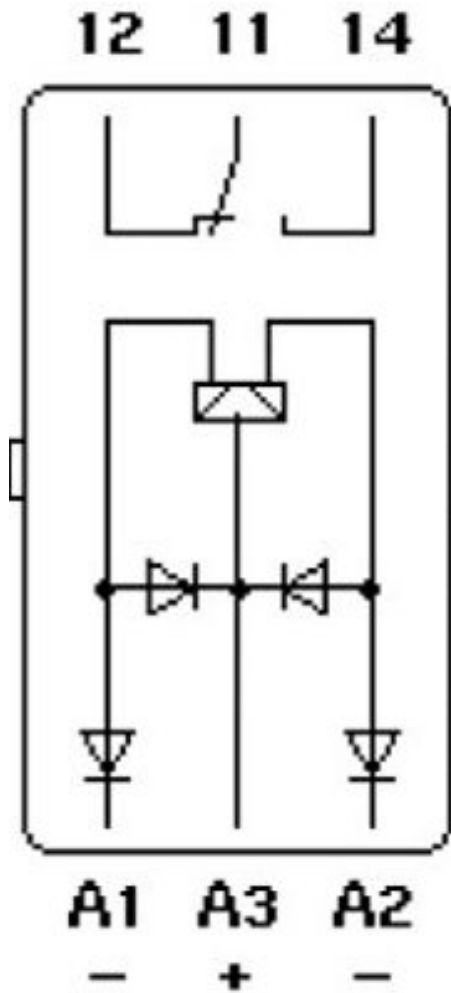
Certification GOST

**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



**Address**

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