

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)
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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 | 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. 2×10^7 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



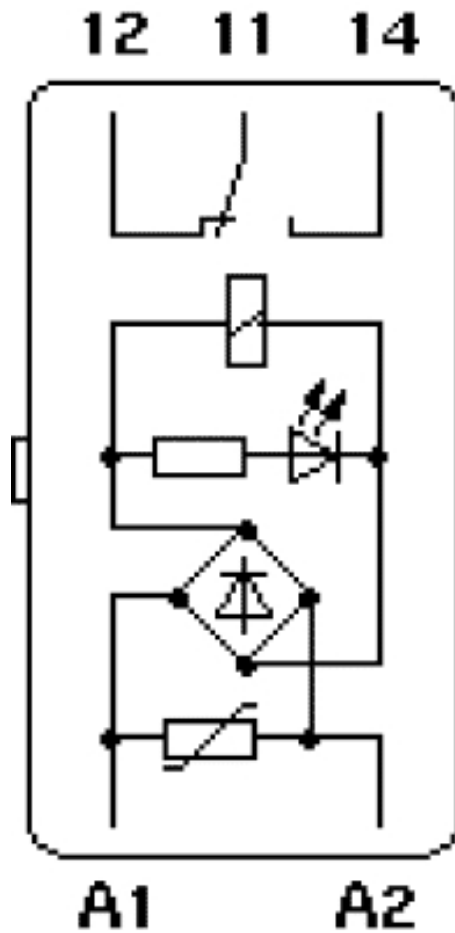
Certification GOST

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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