

## Relay connectors - ST-REL2-KG 48/1 - 2823638

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

The figure shows version ST-REL 2-KG 24/1

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 077471
GTIN	4017918077471
Weight per Piece (excluding packing)	35.120 g
Custom tariff number	85364190
Country of origin	Germany

### Technical data

#### Dimensions

Width	14.6 mm
Height	33 mm
Depth	66.5 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

#### Coil side

Nominal input voltage $U_N$	48 V AC/DC
Input voltage range in reference to $U_N$	0.9 ... 1.1

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### Technical data

#### Coil side

Typical input current at $U_N$	8.5 mA
Typical response time	10 ms (with DC)
Typical release time	10 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes
Power dissipation for nominal condition	0.41 W

#### Contact side

Contact type	Single contact, 1 N/O contact
Type of switch contact	Single contact
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 (at 48 V DC)
	45 W (at 60 V DC)
	45 W (at 110 V DC)
	75 W (at 220 V DC)
	1500 VA (for 250 V AC)

#### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

#### Standards and Regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Relay connectors - ST-REL2-KG 48/1 - 2823638

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27371601
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

#### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

#### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

### Approvals

#### Approvals

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Approvals

EAC / EAC

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Ex Approvals

## Relay connectors - ST-REL2-KG 48/1 - 2823638

### Approvals

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#### Approval details

EAC		TR_TS_D_00573_c
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EAC		RU*C- DE.*08.B.00010
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### Accessories

#### Necessary add-on products

##### Basic terminal block - URELG 2-PMTK - 2820835



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, 2-pos.

##### Basic terminal block - UDK-RELG 2 - 2777030



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, 2-pos.

##### Basic terminal block - URELG 2 - 2820262



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, 2-pos.

## Relay connectors - ST-REL2-KG 48/1 - 2823638

### Accessories

#### Basic terminal block - ZFK-RELG 2 - 2829904



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, 2-pos.

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### Additional products

#### Basic terminal block - URELG 2-PMTK - 2820835



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, 2-pos.

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#### Basic terminal block - UDK-RELG 2 - 2777030



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, 2-pos.

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#### Basic terminal block - URELG 2 - 2820262



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, 2-pos.

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#### Basic terminal block - ZFK-RELG 2 - 2829904



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, 2-pos.

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