

# Relay connectors - ST-REL3-SG 24/21 - 2822011

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Relay connector, equipped with Siemens KAMMRELAIS®, contacts (Ag): medium loads, 1 PDT, input voltage 24 V DC, with light indicator, can be plugged on basic termination blocks

## Key commercial data

<b>package_quantity</b>	10
<b>GTIN</b>	4017918077167

## Technical data

### Dimensions

<b>Width</b>	20.8 mm
<b>Height</b>	33 mm
<b>Depth</b>	66.5 mm

### Ambient conditions

<b>Ambient temperature (operation)</b>	-20 °C ... 60 °C
<b>Ambient temperature (storage/transport)</b>	-20 °C ... 70 °C

### Coil side

<b>Nominal input voltage <math>U_N</math></b>	24 V DC
<b>Input voltage range in reference to <math>U_N</math></b>	0.8 ... 1.1
<b>Nominal input current at <math>U_{IN}</math></b>	32 mA
<b>Typical response time</b>	8 ms (with DC)
<b>Typical release time</b>	15 ms (with DC)
<b>Operating voltage display</b>	Yes
<b>Protective circuit</b>	Damping diode, polarity protection Damping diode, polarity protection diode

### Contact side

<b>Contact type</b>	Single contact, 1-PDT
<b>Contact material</b>	Ag, gold-flashed
<b>Maximum switching voltage</b>	250 V AC/DC
<b>Maximum inrush current</b>	5 A
<b>Limiting continuous current</b>	5 A
<b>Interrupting rating (ohmic load) max.</b>	120 W (at 24 V DC)
<b>Interrupting rating (ohmic load) max.</b>	60 W (at 48 V DC)
<b>Interrupting rating (ohmic load) max.</b>	50 W (at 60 V DC)

# Relay connectors - ST-REL3-SG 24/21 - 2822011

## Technical data

### Contact side

Interrupting rating (ohmic load) max.	50 W (at 110 V DC)
Interrupting rating (ohmic load) max.	70 W (at 220 V DC)
Interrupting rating (ohmic load) max.	500 VA (for 250 V AC)

### General

Test voltage relay winding/relay contact	1 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 10 <sup>7</sup> cycles (approx. 10 <sup>6</sup> with AC relay)
Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
Standards/regulations	DIN VDE 0160 (in relevant parts)

## classifications

### eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

## approvals

---

GOST / GOST /

---

### Approval details

# Relay connectors - ST-REL3-SG 24/21 - 2822011

approvals



## Drawings

Circuit diagram

