

## Functional block - ST-REL3-KG 24/ 1/SO38 - 2829564

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Relay connector for high inrush currents, contacts (AgCdO+capacitive W): medium to large loads, 1 N/O contact, input voltage 24 V DC, max. inrush current 10 A

### Product Features

- Can be snapped onto standard EN DIN rails
- Clear terminal marking using Phoenix Contact labeling material
- Modular DIN-rail mountable EMG housing with 17.5 mm design width
- User-friendly plug-in housing
- Easy maintenance



### Key commercial data

package_quantity	10
GTIN	4017918078515

### Technical data

#### Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

#### Ambient conditions

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

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Nominal input current at $U_{IN}$	28 mA
Typical response time	13 ms
Typical release time	15 ms
Operating voltage display	Yellow LED
Protective circuit	Free-wheeling diode Damping diode

#### Contact side

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### Technical data

#### Contact side

<b>Contact type</b>	1 N/O contact with lead contact
<b>Contact material</b>	AgCdO
<b>Maximum switching voltage</b>	250 V AC
<b>Maximum inrush current</b>	80 A (20 ms)
<b>Limiting continuous current</b>	10 A
<b>Interrupting rating (ohmic load) max.</b>	2500 VA (for 250 V AC)

#### General

<b>Test voltage relay winding/relay contact</b>	2.5 kV AC (50 Hz, 1 min.)
<b>Mechanical service life</b>	Approx. 10 <sup>7</sup> cycles
<b>Standards/regulations</b>	IEC 60664
<b>Standards/regulations</b>	EN 50178
<b>Standards/regulations</b>	IEC 62103
<b>Rated surge voltage / insulation</b>	Basic insulation
<b>Pollution degree</b>	2
<b>Surge voltage category</b>	III
<b>Assembly instructions</b>	Horizontal with zero spacing, vertical with spacing

#### Connection data

<b>Connection method</b>	Screw connection
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### classifications

#### eCl@ss

<b>eCl@ss 4.0</b>	27371102
<b>eCl@ss 4.1</b>	27371102
<b>eCl@ss 5.0</b>	27371001
<b>eCl@ss 5.1</b>	27371001
<b>eCl@ss 6.0</b>	27371001
<b>eCl@ss 7.0</b>	27371001
<b>eCl@ss 8.0</b>	27371001

#### ETIM

<b>ETIM 2.0</b>	EC000196
<b>ETIM 3.0</b>	EC000196
<b>ETIM 4.0</b>	EC000196
<b>ETIM 5.0</b>	EC000196

#### UNSPSC

<b>UNSPSC 6.01</b>	30211916
<b>UNSPSC 7.0901</b>	39121515
<b>UNSPSC 11</b>	39121515
<b>UNSPSC 12.01</b>	39121515
<b>UNSPSC 13.2</b>	39121515

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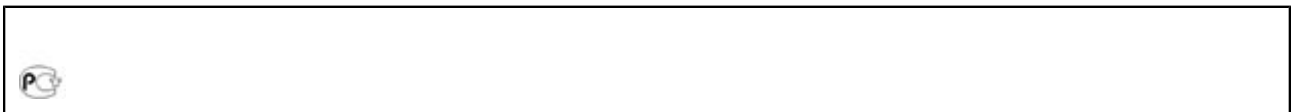
approvals

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Approval details



Drawings

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Circuit diagram

