

## Functional block - EMG 17-REL/KSR-G 24/2E/SO38 - 2941646

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Relay module for high continuous currents, with soldered-in relay, contacts (AgSnO): medium to large loads, 1 N/O contact, input voltage 24 V DC, limiting continuous current 10 A, with 2 inputs for manual/automatic

### Product Features

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



### Key commercial data

package_quantity	10
GTIN	4017918080556

### Technical data

#### Dimensions

Width	17.5 mm
Height	75 mm
Depth	62.5 mm

#### Ambient conditions

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

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Nominal input current at $U_{IN}$	23 mA
Typical response time	9 ms
Typical release time	10 ms
Operating voltage display	Automatic: Yellow LED, Manual: Red LED
Protective circuit	Free-wheeling diode Damping diode
Protective circuit	Protection against polarity reversal Polarity protection diode

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### Technical data

#### Contact side

<b>Contact type</b>	Single contact, 1 N/O contact
<b>Contact material</b>	AgSnO
<b>Maximum switching voltage</b>	250 V AC/DC
<b>Maximum inrush current</b>	120 A (20 ms)
<b>Limiting continuous current</b>	10 A
<b>Interrupting rating (ohmic load) max.</b>	240 W (at 24 V DC)
<b>Interrupting rating (ohmic load) max.</b>	120 W (at 48 V DC)
<b>Interrupting rating (ohmic load) max.</b>	85 W (at 60 V DC)
<b>Interrupting rating (ohmic load) max.</b>	70 W (at 110 V DC)
<b>Interrupting rating (ohmic load) max.</b>	90 W (at 220 V DC)
<b>Interrupting rating (ohmic load) max.</b>	100 W (for 250 V DC)
<b>Interrupting rating (ohmic load) max.</b>	2500 VA (for 250 V AC)
<b>Interrupting rating (lamp load) max.</b>	(on request)

#### General

<b>Test voltage relay winding/relay contact</b>	4 kV AC (50 Hz, 1 min.)
<b>Operating mode</b>	100% operating factor
<b>Mechanical service life</b>	3 x 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>	safe isolation
<b>Pollution degree</b>	2
<b>Surge voltage category</b>	III
<b>Mounting position</b>	Any

#### Connection data

<b>Connection method</b>	Screw connection
<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Stripping length</b>	8 mm
<b>Screw thread</b>	M3

### classifications

#### eCl@ss

<b>eCl@ss 4.0</b>	27371102
<b>eCl@ss 4.1</b>	27371102

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## classifications

### eCl@ss

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

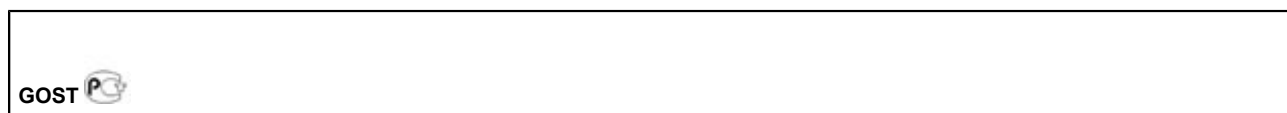
## approvals

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GOST /

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### Approval details



## accessories

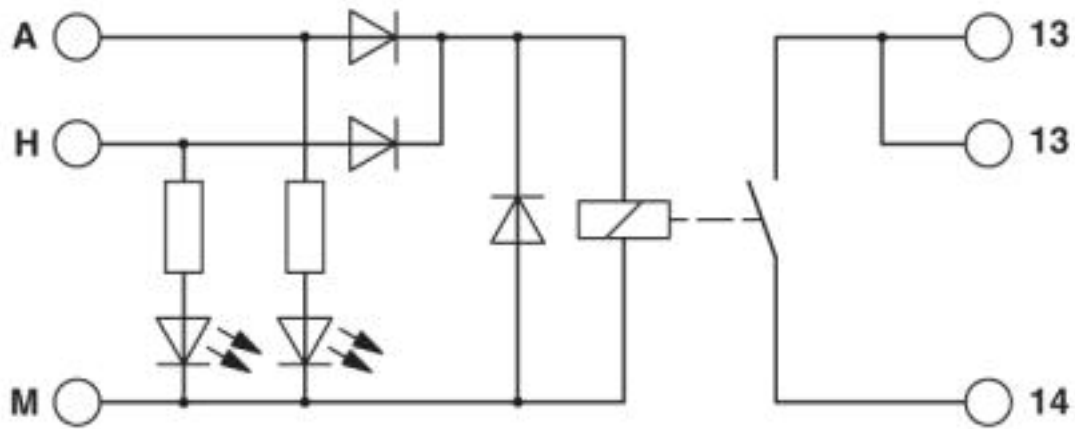
EMG-GKS 12 - 2947035



## Drawings

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Circuit diagram



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