



Automatización Eléctrica
Especialistas en Automatización

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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

Why buy this product

- 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

Packing unit	10 STK
GTIN	 4 017918 080556

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
Typical input current at U_N	23 mA
Typical response time	9 ms

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Technical data

Coil side

Typical release time	10 ms
Protective circuit	Free-wheeling diode Damping diode
	Protection against polarity reversal Polarity protection diode
Operating voltage display	Automatic: Yellow LED, Manual: Red LED
Power dissipation for nominal condition	0.55 W

Contact side

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

General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	safe isolation
Degree of pollution	2
Overvoltage category	III
Mounting position	any

Connection data input side

Connection name	Coil side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Connection data output side

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Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	safe isolation
Degree of pollution	2
Overvoltage category	III

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

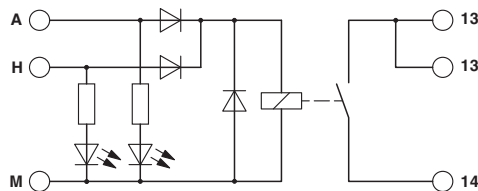
Approval details

EAC

EAC

Drawings

Circuit diagram



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