

Functional block - EMG 17-REL/KSR-G 24/SO38 BK - 2949994

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Relay module for high inrush currents, with soldered-in relay, contacts (AgCdO + capacitive W): medium to large loads, 1 N/O contact, input voltage 24 V DC, max. inrush current 80 A

Why buy this product

- ✓ 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

Packing unit	1 STK
GTIN	 4 017918 083915
GTIN	4017918083915
Weight per Piece (excluding packing)	53.790 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	17.5 mm
Height	75 mm

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Technical data

Dimensions

Depth	62.5 mm
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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
Typical input current at U_N	28 mA
Typical response time	13 ms
Typical release time	15 ms
Protective circuit	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.67 W

Contact side

Contact type	1 N/O contact with lead contact
Type of switch contact	Lead contact
Contact material	AgCdO
Note	Main contact silver cadmium oxide (AgCdO): lead contact tungsten
Maximum switching voltage	250 V AC
Maximum inrush current	80 A (20 ms)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Mechanical service life	Approx. 10^7 cycles
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

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Technical data

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Standards and Regulations

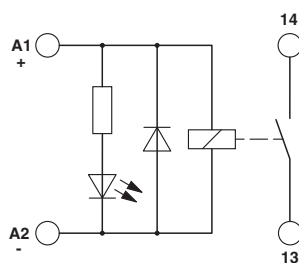
Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
	EN 50178
Insulation	safe isolation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601

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Classifications

eCl@ss

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

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

Approvals


Approvals


Approvals

EAC / EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
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EAC		RU C- DE.A*30.B.01082
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Accessories

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Marking material - EMG-GKS 12 - 2947035



Device marking label, width: 12 mm, area: 12 x 8 mm, e.g. for EML(10x7) R adhesive marking material