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Relay module, with soldered-in miniature switching relay, gold contact for small loads, 1 N/O contact, input voltage 230 V AC/DC

The illustration shows version EMG 10-REL/KSR-G 24/1-LC AU, with soldered-in miniature switching relay

Product Features

☑ Safe isolation according to DIN EN 50178 between coil and contact

☑ Integrated input circuit and interference suppression circuit





Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	38.16 GRM
Custom tariff number	85364900
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	10.6 mm
Height	75 mm
Depth	53.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C 40 °C
Ambient temperature (storage/transport)	-20 °C 70 °C



Technical data

Coil side

Nominal input voltage U _N	230 V AC/DC
Input voltage range in reference to U _N	0.8 1.1
Typical input current at U _N	4.8 mA
Typical response time	7 ms
Typical release time	11 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier Bridge rectifier
	Surge protection Varistor

Contact side

Contact type	Double contact, 1 N/O contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Minimum switching voltage	100 μV
Maximum inrush current	0.2 A
Limiting continuous current	0.5 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC
Limiting continuous current	2 A
Maximum inrush current	2 A
Interrupting rating (ohmic load) max.	29 W (at 24 V DC)
	29 W (at 48 V DC)
	29 W (at 60 V DC)

General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	IP20
Mechanical service life	Approx. 2 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	4 kV / basic insulation
Rated insulation voltage	260 V AC
Pollution degree	2
Surge voltage category	III



Technical data

General

Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Screw connection
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil max	12
Conductor cross section AWG/kcmil min.	24
Screw thread	M3

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	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

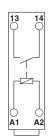


Drawings

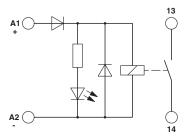
Connection diagram



Circuit diagram



Circuit diagram



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