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Relay module, with soldered-in miniature switching relay, contact (AgNi): Medium to large loads, 2 PDT, input voltage 230 V DC

The illustration shows version EMG 17-REL/KSR- 24/21-21-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
GTIN	4 017918 080105
Weight per Piece (excluding packing)	61.7 GRM
Custom tariff number	85364900
Country of origin	Germany

Technical data

Note

Utilization restriction area

Dimensions

Width	17.5 mm
Height	75 mm
Depth	62.5 mm



Technical data

Ambient conditions

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

Coil side

Nominal input voltage U _N	230 V AC
Input voltage range in reference to U _N	0.85 1.1
Typical input current at U _N	4 mA
Typical response time	7 ms
	3 ms 12 ms
Typical release time	3 ms
Typical release time range	2 ms 9 ms
Operating voltage display	Glow lamp

Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	6 A
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	95 W (at 48 V DC)
	60 W (at 60 V DC)
	40 W (at 110 V DC)
	55 W (at 220 V DC)
	1250 VA (for 250 V AC)

General

Note	Only available as AC voltage version.
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	1 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 5 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and output contact current paths.)
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



Approvals
Approvals
Approvals
UL Recognized / cUL Recognized / GOST / cULus Recognized
Ex Approvals
Approvals submitted
Approval details
UL Recognized 91
cUL Recognized
GOST C
cULus Recognized • Sus
Accessories
Accessories
Marking material - EMG-GKS 12 - 2947035

Equipment marker, width 12 mm

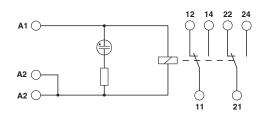
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Accessories

Drawings

Circuit diagram



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