Relay Module - EMG 17-REL/KSR-W230/21-21-LCAU - 2941468

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The illustration shows version EMG 17-REL/KSR- 24/21-21-LC AU, with soldered-in miniature switching relay

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

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)	60.24 GRM
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

Dimensions

Width	17.5 mm
Height	75 mm
Depth	62.5 mm

Ambient conditions

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

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Technical data

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, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Maximum inrush current	0.2 A
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	6 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

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Technical data

General

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
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 mm²
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	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515

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Classifications

UNSPSC

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

cUL Recognized

GOST

cULus Recognized

Accessories

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Relay Module - EMG 17-REL/KSR-W230/21-21-LCAU - 2941468

Accessories

Marking material - EMG-GKS 12 - 2947035

Equipment marker, width 12 mm

Drawings

Circuit diagram