

Multiple relay module - EMUG 22- 4REL/KSR-G 24/ 1AU - 2942399

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Relay module, multi-channel, with 4 soldered-in miniature switching relays for DC voltage with light indicator and 1 N/O contact each, contact for small to large loads, input voltage 24 V DC



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	88.54 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	60 mm
Depth	79 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
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Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	12 mA
Typical response time	7 ms
Typical release time	8 ms
Protective circuit	Damping diode, polarity protection Damping diode, polarity protection diode, bridge rectifier at AC input
Operating voltage display	yes
Power dissipation for nominal condition	0.29 W

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Contact side

Contact type	Single contact, 1 N/O contact
Contact material	Fine grained silver (AgNi 0,15), 5 µm hard gold-plated
Maximum switching voltage	60 V AC/DC
Maximum inrush current	0.2 A
Limiting continuous current	2 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)
	10 W (at 48 V DC)
	12 W (at 60 V DC)
	12 VA (for 60 V AC)
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	70 W (at 48 V DC)
	55 W (at 60 V DC)
	60 W (at 100 V DC)
	65 W (at 220 V DC)
	1500 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. 2×10^7 cycles
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	IEC 60255/DIN VDE 0435 (in relevant parts)
Degree of pollution	2
Overvoltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Standards and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

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Standards and Regulations

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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	39121543
UNSPSC 11	39121543
UNSPSC 12.01	39121543
UNSPSC 13.2	39121543

Drawings

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Circuit diagram

