

## 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. $2 \times 10^7$ 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

