

EMG 22-REL/KSR- 24/21AU/SO12 - Relay module



2944821

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Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): small to large loads, 1 changeover contact, input voltage 24 V AC/DC

Commercial data

Item number	2944821
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK614Y
GTIN	4017918279035
Weight per piece (including packing)	68.2 g
Weight per piece (excluding packing)	63.67 g
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Relay Module
Mechanical service life	> 10 ⁷ cycles

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	12.09.2025
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Electrical properties

Maximum power dissipation for nominal condition	0.46 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range	19.2 V AC/DC ... 26.4 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	19 mA
Typical response time	9 ms
Typical release time	12 ms
Coil voltage	24 V DC
Operating voltage display	Yellow LED
Coil resistance	1440 Ω \pm 15 %

Output data

Switching

Contact switching type	Single contact, 1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	100 mV
Maximum inrush current	50 mA

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Min. switching current	1 mA (At 5 V)
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC
	300 V DC
Limiting continuous current	5 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	1100 VA (for 250 V AC)

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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Standards and regulations

Standards/regulations	VDE 0110
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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