EMG 12-REL/KSR- 24/1 - Relay module

2949240

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Relay module, with soldered-in miniature switching relay, contact (AgNi): Medium to large loads, 1 N/O contact, 24 V AC/DC input voltage

Commercial data

Item number	2949240
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	DK61C2
GTIN	4017918083748
Weight per piece (including packing)	44.42 g
Weight per piece (excluding packing)	44.42 g
Customs tariff number	85364190
Country of origin	DE

Technical data

Notes

Utilization restriction

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

Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. 2x 10^7 cycles

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	01.04.2026

Electrical properties

Maximum power dissipation for nominal condition	0.55 W
Test voltage (Winding/contact)	4 kV (50 Hz, 1 min., winding/contact)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	260 V AC
Rated surge voltage	4 kV

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 (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	21 mA
Typical response time	7 ms
Typical release time	11 ms
Protective circuit	Bridge rectifier
Status display	LED (yellow)

Output data

Switching

Contact switching type	1 N/O contact
Type of switch contact	Single contact

Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V
Limiting continuous current	6 A
Maximum inrush current	8 A
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	140 W (24 V DC)
	60 W (48 V DC)
	45 W (60 V DC)
	35 W (110 V DC)
	55 W (220 V DC)
	1500 VA (250 V AC)

Connection data

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Dimensions

Item dimensions

Width	12 mm
Height	65.5 mm
Depth	75 mm

Material specifications

Color	green (RAL 6021)

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 50178

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Classifications

ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

ETIM

ETIM 10.0	EC001437

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a)

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.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	9e91fe4c-af8a-4dc6-8f58-d94cfc5a3367

EF3.1 Climate Change

CO2e kg	0.235 kg CO2e

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