

Relay Module - EMK 12-REL/MSR- 24/1AU - 2942674

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Customer-specific relay module, 1 N/O contact, 24 V AC/DC input voltage

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 080815
GTIN	4017918080815

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	12.5 mm
Height	60 mm
Depth	47.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	12 mA
Protective circuit	Bridge rectifier Bridge rectifier
Operating voltage display	Yellow LED

Contact side

Contact type	Single contact, 1 N/O contact
Type of switch contact	Single contact
Contact material	AgNi 0,15 + HTV (hard gold-plated)
Maximum switching voltage	60 V AC/DC (If the specified maximum values are exceeded, the gold layer will be destroyed.)
Limiting continuous current	0.2 A (If the specified maximum values are exceeded, the gold layer will be destroyed.)

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Technical data

Contact side

Interrupting rating (ohmic load) max.	12 VA (for 250 V AC)
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Contact side (with destroyed gold layer)

Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

Connection data input side

Connection name	Coil side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

General

Degree of protection	IP00
Mechanical service life	3x 10 ⁷ cycles
Mounting position	any

Standards and Regulations

Designation	Air clearances and creepage distances, input/output
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01082
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