

Relay Module - EMG 10-REL/KSR-120/ 1-LC AU - 2964461

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Relay module, with soldered-in miniature switching relay, gold contact for small loads, 1 N/O contact, input voltage 120 V AC/DC

Your advantages

- Integrated input circuit and interference suppression circuit



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 125134
GTIN	4017918125134

Technical data

Note

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

Width	10.6 mm
Height	75 mm
Depth	53.5 mm

Ambient conditions

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

Coil side

Nominal input voltage U_N	120 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	5 mA

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Technical data

Coil side

Typical response time	7 ms
Typical release time	11 ms
Protective circuit	Bridge rectifier Bridge rectifier
	Surge protection Varistor
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.6 W

Contact side

Contact type	Double contact, 1 N/O contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Minimum switching voltage	100 μ V
Min. switching current	20 μ A
Maximum inrush current	0.2 A
Limiting continuous current	0.5 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)

Contact side (with destroyed gold layer)

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC
Limiting continuous current	2 A
Maximum inrush current	2 A
Interrupting rating (ohmic load) max.	29 W (at 24 V DC)
	29 W (at 48 V DC)
	29 W (at 60 V DC)

General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

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

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Technical data

Connection data 2

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

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
	EN 50178
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV
Insulation	Basic insulation

Environmental Product Compliance

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

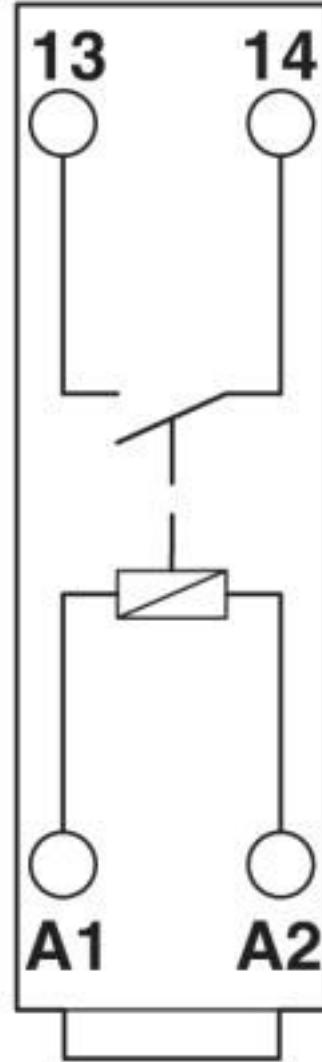
Drawings

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Connection diagram

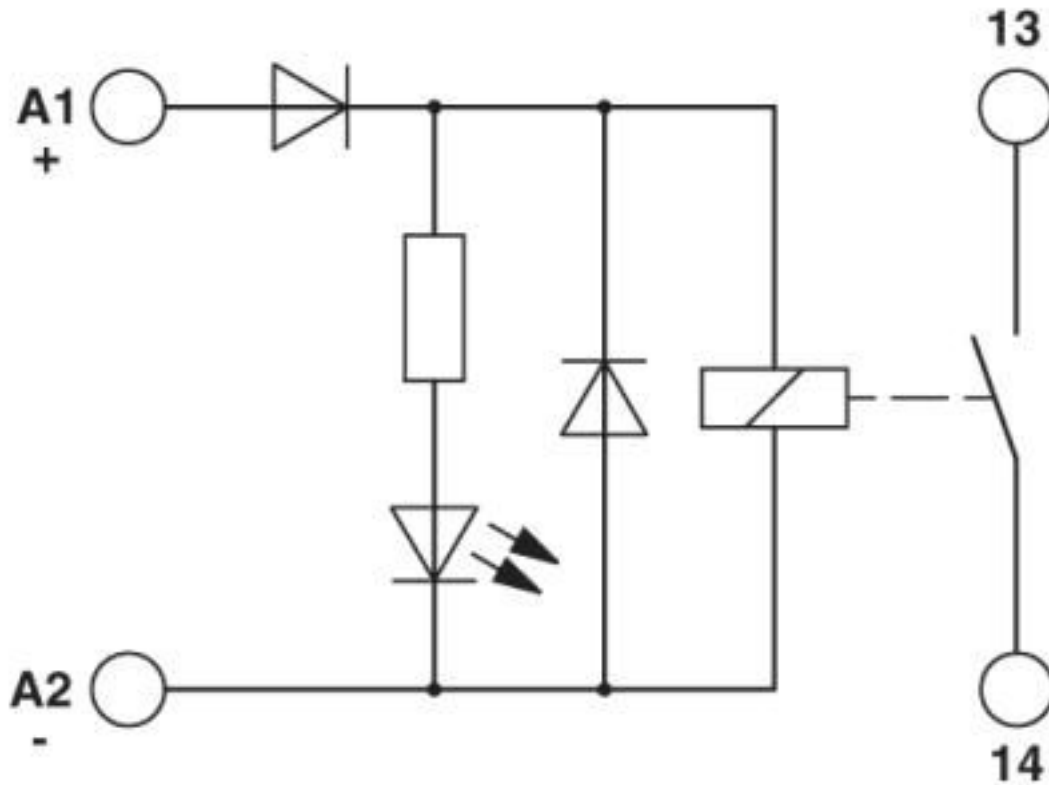


Circuit diagram



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Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27371601
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

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Classifications

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

Approvals


Approvals


Approvals


UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized


Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC			TR_TS_D_00573_c
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EAC			RU*C- DE.*08.B.00010
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cULus Recognized			
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Accessories

Accessories

Marking material - EMG-SGKS 10 - 2947585



Equipment marker, narrow

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