

EMG 10-REL/KSR-230/ 1-LC AU

Order No.: 2964416

The illustration shows version EMG 10-REL/KSR-G 24/1-LC AU, with soldered-in miniature switching relay



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2964416>

Relay module, with soldered-in miniature switching relay, gold contact for small loads, 1 N/O contact, input voltage 230 V AC/DC

Commercial data	
GTIN (EAN)	4017918107475
sales group	G030
Pack	10 pcs.
Customs tariff	85364900
Weight/Piece	0.03816 KG
Catalog page information	Page 123 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
08/10/2006



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Technical data

Coil side	
Nominal input voltage U_N	230 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Nominal input current at U_{IN}	4.8 mA
Typical response time	7 ms
Typical release time	11 ms

Operating voltage display	Yellow LED
Name of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier

Contact side

Contact type	Double contact, 1 N/O contact
Contact material	AgPd60 5 µm hard gold-plated
Maximum switching voltage	36 V AC 30 V DC
Minimum switching voltage	100 µV
Maximum inrush current	0.2 A
Limiting continuous current	0.5 A
Interrupting rating (ohmic load) max.	5 W (for 24 V DC)
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 (for 24 V DC) 29 W (for 48 V DC) 29 W (for 60 V DC)

General data

Width	10.6 mm
Height	53.5 mm
Depth	75 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min)
Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	Approx. 2×10^7 cycles
Standards/regulations	IEC 60664 EN 50178 IEC 62103
Rated surge voltage / insulation	4 kV / basic insulation
Rated insulation voltage	260 V AC
Pollution degree	2

Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

Connection data

Type of connection	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3

Certificates / Approvals



Certification CUL, GOST, UL

Accessories

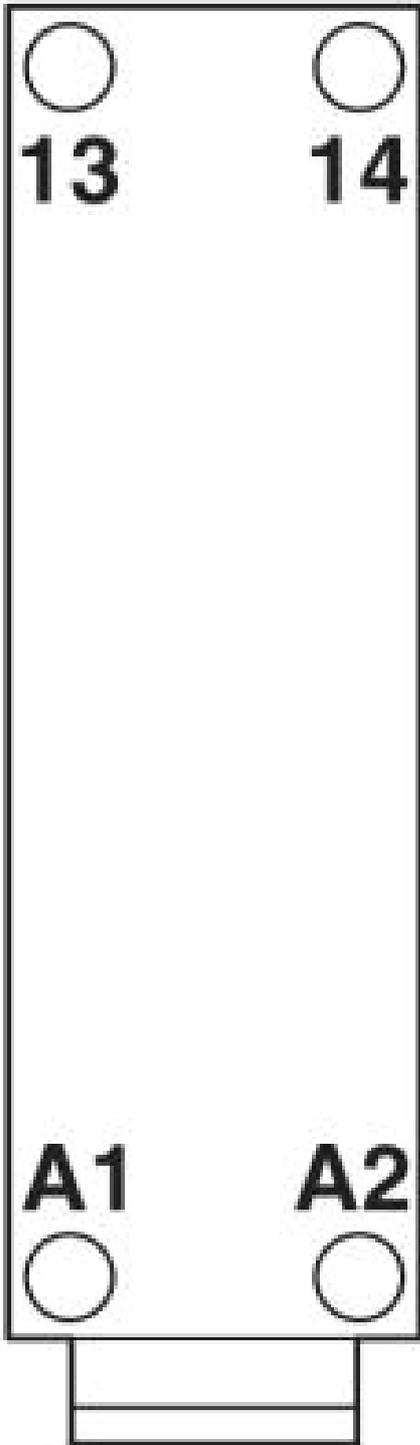
Item	Designation	Description
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Marking

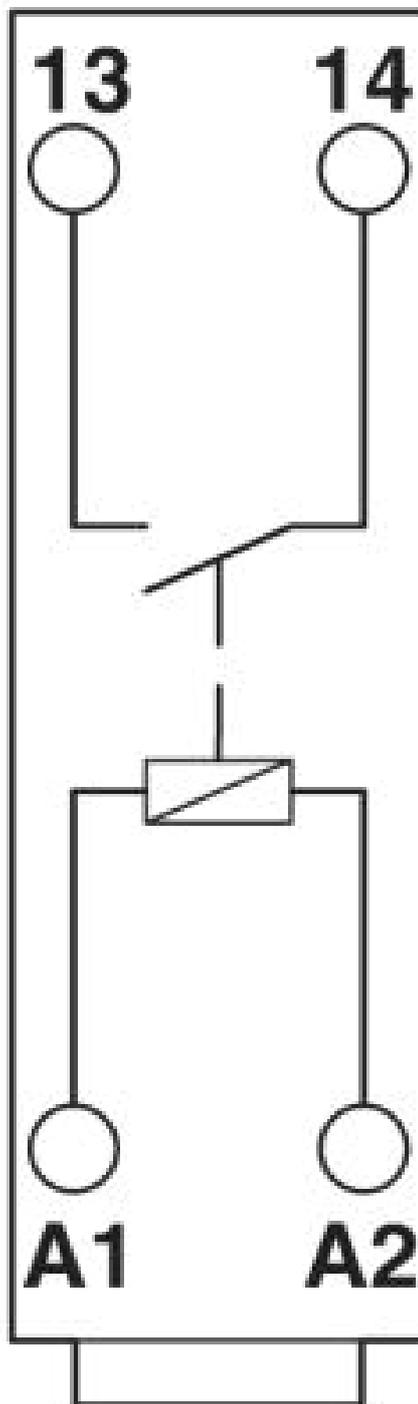
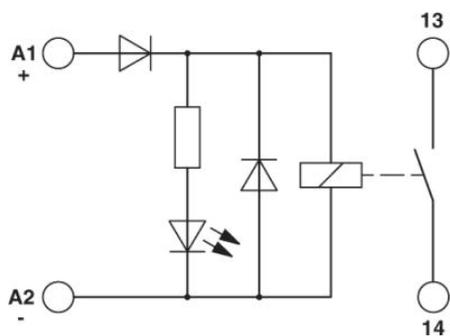
2947585	EMG-SGKS 10	Equipment marker, narrow
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Diagrams/Drawings

Connection diagram



Circuit diagram



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