

Relay Module - EMG 22-REL/KSR-230/21/AU/SO46 - 2940061

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Relay interfaces against interference on the control side, with soldered-in miniature switching relays, contacts (Au): small loads, 1 PDT, input voltage 230 V AC

The illustration shows version EMG 22-REL/KSR -230/21/SO 46

Product Features

- Use of AC output cards, resulting in residual AC currents
- Resistant to interference currents
- High relay release voltage
- Applications with long control lines



Key commercial data

package_quantity	10
GTIN	4017918079840

Technical data

Dimensions

Width	22.5 mm
Height	75 mm
Depth	62.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Coil side

Nominal input voltage U_N	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Nominal input current at U_{IN}	18 mA
Typical response time	10 ms
Typical release time	8 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier Bridge rectifier
Protective circuit	Surge protection Varistor

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Technical data

Coil side

Protective circuit	RC element RC element
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Contact side

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

General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	Approx. 2×10^7 cycles
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III
Mounting position	Any

Connection data

Connection method	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

classifications

eCl@ss

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classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

approvals

GOST /

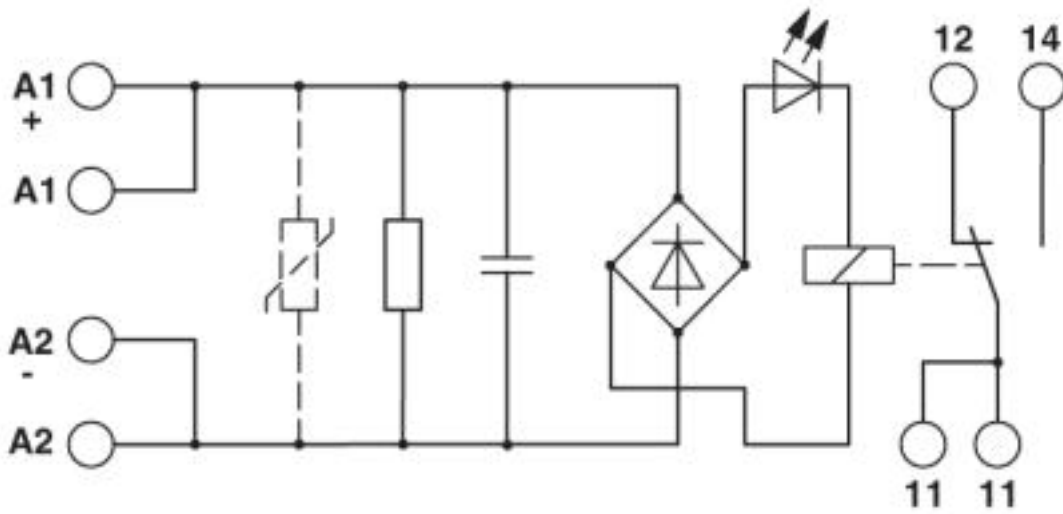
Approval details



Drawings

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Circuit diagram



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