

Relay Module - EMG 30-REL/MR-G220/21-21/SO109 - 2301671

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Relay module, with soldered-in miniature switching relay, contact AgNi): medium to large loads, 2 PDT, input voltage 220 V DC

Key commercial data

package_quantity	5
GTIN	4017918960759

Technical data

Note:

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

Width	30 mm
Height	75 mm
Depth	62.5 mm

Ambient conditions

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

Nominal input voltage U_N	220 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Nominal input current at U_{IN}	4.4 mA
Typical response time	9 ms
Typical release time	10 ms
Protective circuit	Free-wheeling diode, polarity protection diode, resistor, Z-diode

Contact side

Contact type	2 PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
Interrupting rating (ohmic load) max.	85 W (at 48 V DC)

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Contact side

Interrupting rating (ohmic load) max.	60 W (at 60 V DC)
Interrupting rating (ohmic load) max.	44 W (at 110 V DC)
Interrupting rating (ohmic load) max.	60 W (at 220 V DC)
Interrupting rating (ohmic load) max.	1500 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV AC (50 Hz, 1 min.)
Mechanical service life	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
Standards/regulations	IEC 60664 A
Standards/regulations	DIN VDE 0110
Standards/regulations	DIN VDE 0109-11, draft
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
Stripping length	8 mm

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
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classifications

UNSPSC

UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

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