

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Relay module, with soldered-in miniature switching relay, contact (AgNi): Medium to large loads, 1 PDT, input voltage 230 V AC/DC

The illustration shows version EMG 22-REL/KSR- 24/21 AU, with soldered-in miniature switching relay

#### **Product Features**

☑ Safe isolation according to DIN EN 50178 between coil and contact

☑ Integrated input circuit and interference suppression circuit





### Key commercial data

Packing unit	1 pc
GTIN	4 017918 084493
Weight per Piece (excluding packing)	70.4 GRM
Custom tariff number	85364900
Country of origin	Germany

#### Technical data

#### Note

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

Width	22.5 mm
Height	75 mm
Depth	62.5 mm



## Technical data

#### Ambient conditions

Ambient temperature (operation)	-20 °C 50 °C
Ambient temperature (storage/transport)	-20 °C 70 °C

#### Coil side

Nominal input voltage U <sub>N</sub>	230 V AC/DC
Input voltage range in reference to U <sub>N</sub>	0.9 1.06
Typical input current at U <sub>N</sub>	5 mA
Typical response time	8 ms
Typical release time	10 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier Bridge rectifier
	Varistor Varistor

#### Contact side

Contact type	Single contact, 1-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.	144 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1500 VA (for 250 V AC)

#### General

5 kV <sub>rms</sub> (50 Hz, 1 min.)
1 kV AC (50 Hz, 1 min.)
100% operating factor
IP20
Approx. 5 x 10 <sup>7</sup> cycles
EN 50178
4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and output contact current paths.)
260 V AC
2
III
any



## Technical data

### General

Assembly instructions	In rows with zero spacing
Connection data	

Connection method	Screw connection
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil max	12
Conductor cross section AWG/kcmil min.	24
Screw thread	M3

### 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

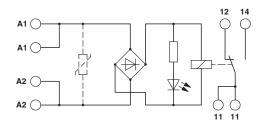
### **UNSPSC**

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

## Drawings



### Circuit diagram



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