

# Single relay - REL-MR-110DC/21-21/MS - 1012698

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Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2, input voltage 110 V DC

## Your advantages

- With detectable manual operation
- DC types with integrated freewheeling diode
- Integrated status LED
- Mechanical switch position indicator



## Key Commercial Data

Packing unit	10 pc
GTIN	 4 055626 490175
GTIN	4055626490175
Weight per Piece (excluding packing)	16.600 g
Custom tariff number	85364900
Country of origin	China
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Width	12.7 mm
Height	29 mm
Depth	25 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

### Coil side

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## Technical data

### Coil side

Nominal input voltage $U_N$	110 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	3.6 mA
Typical response time	9 ms
Typical release time	6 ms

### Contact side

Contact type	2 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	16 A (20 ms)
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	2000 VA (for 250 V AC)
Motor load according to UL 508	1/4 HP, 120 V AC (N/O contact)
	1/2 HP, 240 V AC (N/O contact)

### General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	5 kV AC (50 Hz, 1 min.)
Test voltage PDT/PDT	5 kV AC
Mechanical service life	5x 10 <sup>6</sup> cycles
Service life, electrical	see diagram

### Connection data

Connection method	Solder connection
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### Standards and Regulations

Standards/regulations	EN 61810-1
	VDE 0435-201
	EN 50178

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings