

## Single relay - REL-MR- 24DC/21AU/MS - 2909645


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Plug-in miniature power relay, with multi-layer gold contact, 1 changeover contact, manual operation, 24 V DC input voltage

RoHS

### Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	 4 055626 377803
GTIN	4055626377803
Weight per Piece (excluding packing)	4.700 g
Custom tariff number	85364190
Country of origin	Czech Republic
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Width	5 mm
Height	28 mm
Depth	16 mm

#### Ambient conditions

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

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	see diagram
Typical input current at $U_N$	7 mA
Typical response time	5 ms

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## Technical data

### Coil side

Typical release time	2.5 ms
Coil resistance	3390 $\Omega$ $\pm$ 10 % (at 20 °C)
Power dissipation for nominal condition	0.17 W

### Contact side

Contact type	1 PDT
Type of switch contact	Single contact
Contact material	AgSnO, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Minimum switching voltage	100 mV (at 10 mA)
Min. switching current	1 mA (at 24 V)
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

### Contact side (with destroyed gold layer)

Contact material	AgSnO
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)

### General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT II (flux-proof)
Mechanical service life	1 x 10 <sup>7</sup> cycles
Mounting position	any

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### Technical data

#### General

Assembly instructions	In rows with zero spacing
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#### Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1
Degree of pollution	3
Overvoltage category	III

#### Environmental Product Compliance

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