

## Single relay - REL-MR-G 24/1 - 2961037


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Pluggable replacement miniature relay, 1 N/O contact, input voltage 24 V DC



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	8 pc
GTIN	 4 017918 087074
Weight per Piece (excluding packing)	6.75 g
Custom tariff number	85364190
Country of origin	Germany

### Technical data

#### Dimensions

Width	5 mm
Height	23 mm
Depth	17 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 $U_N$	0.8 ... 1.1
Typical input current at $U_N$	5 mA
Typical response time	5 ms

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## Technical data

### Coil side

Typical release time	2 ms
Coil resistance	4800 Ω ±10 %
Power dissipation for nominal condition	0.12 W

### Contact side

Contact type	Double contact, 1 N/O contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC
	125 V DC
Minimum switching voltage	5 V DC
Min. switching current	1 mA
Maximum inrush current	5 A
Limiting continuous current	3 A
Interrupting rating (ohmic load) max.	72 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	50 W (at 110 V DC)
	750 VA (for 230 V AC)

### General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	Approx. $2 \times 10^7$ cycles
Standards/regulations	DIN VDE 0110
	IEC 255/DIN VDE 0435 (in relevant parts)
Mounting position	any

### Standards and Regulations

Standards/regulations	DIN VDE 0110
	IEC 255/DIN VDE 0435 (in relevant parts)

### Classifications

#### eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001

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## Classifications

### eCl@ss

eCl@ss 7.0	27371001
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC001437

### UNSPSC

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

## Approvals

### Approvals

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Approvals

EAC / EAC

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Ex Approvals

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Approvals submitted

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### Approval details

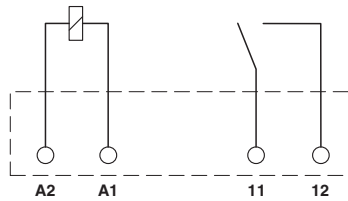
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## Drawings

# Single relay - REL-MR-G 24/1 - 2961037

Circuit diagram



Schematic diagram

