

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

2961037

<https://www.phoenixcontact.com/us/products/2961037>



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



## Commercial data

Item number	2961037
Packing unit	8 pc
Minimum order quantity	8 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK69W1
GTIN	4017918087074
Weight per piece (including packing)	6.675 g
Weight per piece (excluding packing)	4.387 g
Customs tariff number	85364190
Country of origin	DE

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## Technical data

### Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

### Data management status

Date of last data management	05.09.2025
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### Electrical properties

Maximum power dissipation for nominal condition	0.12 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range	19.2 V DC ... 26.4 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at $U_N$	5 mA
Typical response time	5 ms
Typical release time	2 ms
Coil resistance	4800 $\Omega \pm 10$ %

### Output data

#### Switching

Contact switching type	1 N/O contact
Type of switch contact	Double contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC
	125 V DC
Minimum switching voltage	5 V DC
Limiting continuous current	3 A
Maximum inrush current	5 A
Min. switching current	1 mA
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 (at 230 V AC)

### Dimensions

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Width	5 mm
Height	23 mm
Depth	17 mm

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

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

## Mounting

Mounting position	any
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## Drawings

### Schematic diagram



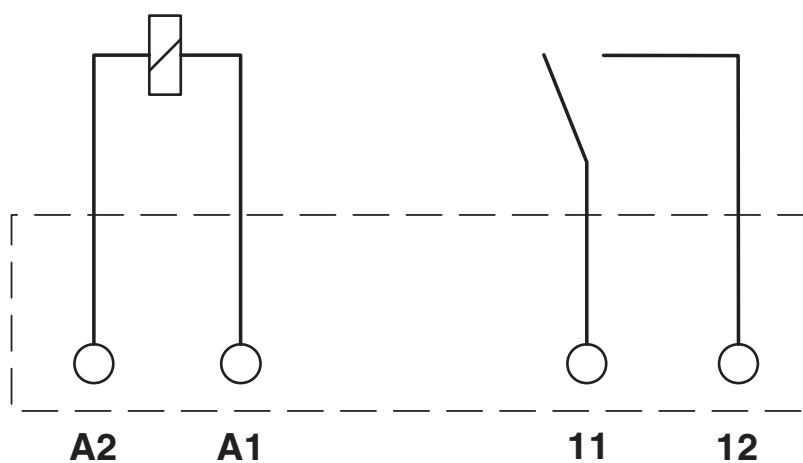
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Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU\*C-DE.\*08.B.00010

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## Classifications

### ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

### ETIM

ETIM 9.0	EC001437
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### UNSPSC

UNSPSC 21.0	39122300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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