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REL-MR-G 24/1 - Single relay

2961037

https://www.phoenixcontact.com/gb/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
Sales key	DK69W1
Product key	DK69W1
Catalog page	Page 524 (C-5-2019)
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. 2x 10^7 cycles

Data management status

Date of last data management	19.03.2025

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 Ω ±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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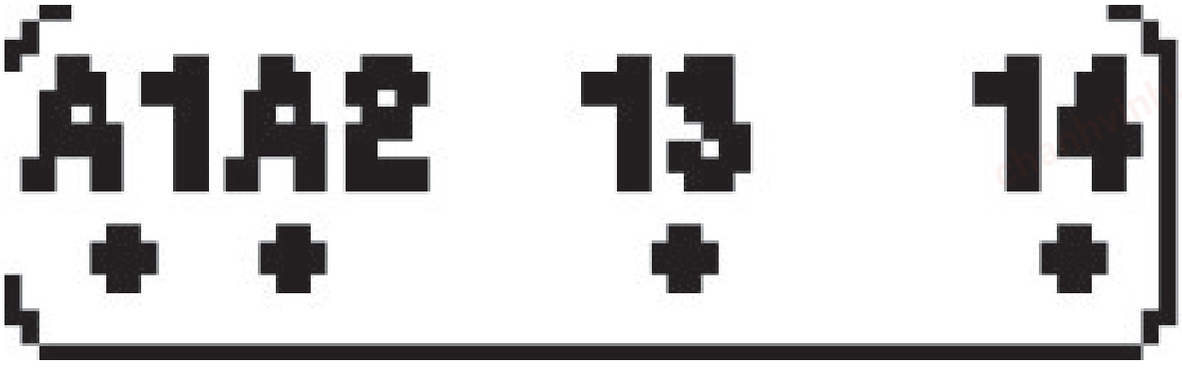
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Drawings

Schematic diagram



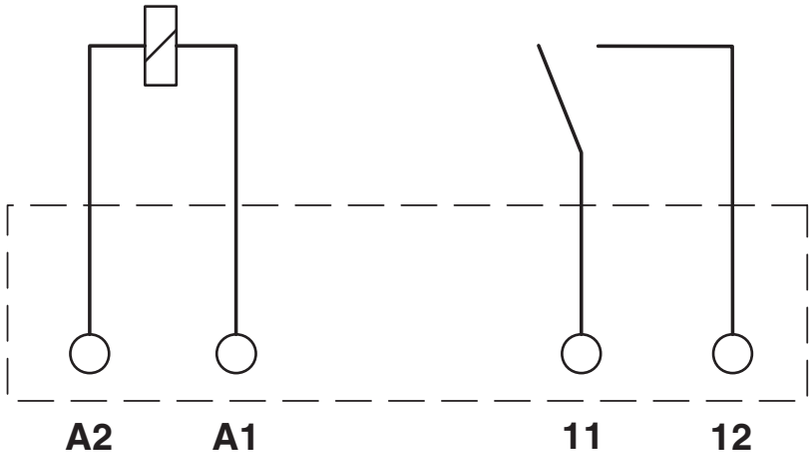
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Circuit diagram



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2961037

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

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Classifications

ECLASS

ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437

UNSPSC

UNSPSC 21.0	39122300

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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