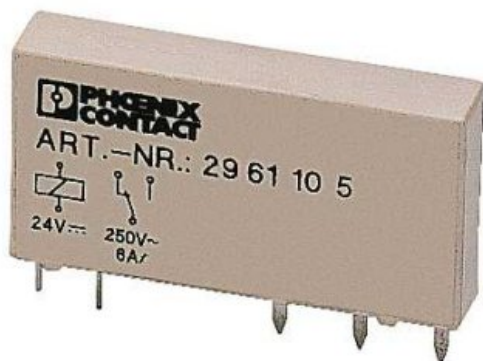


Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

## ► Extract from the online catalog



Pluggable miniature relays, with power contact, 1 PDT, input voltage 24 V DC

The illustration shows the version REL-MR- 24DC/21

Order No.	2961105
Ord designation	REL-MR- 24DC/21
EAN	4017918130893
Pack	10 Pcs.
Customs tariff	85364190
Weight/Piece	0,00665 KG
Catalog page information	Page 72 (IF-2005)

## ► Product notes

WEEE/RoHS-compliant since: 11/16/2005



**IMPORTANT :** This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY. Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area. In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

## ► Technical data

### Coil side

## REL-MR- 24DC/21



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Nominal input voltage $U_N$	24 V DC
Nominal input current at $U_N$	7 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	$3390 \Omega \pm 10\%$ (at 20°C)

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**Contact side**

Contact type	Single contact, 1 PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Maximum inrush current	(on request)
Min. switching current	10 mA
Limiting continuous current	6 A
Power rating (ohmic load) max.	140 W (for 24 V DC)
Power rating (ohmic load) max.	20 W (for 48 V DC)
Power rating (ohmic load) max.	18 W (for 60 V DC)
Power rating (ohmic load) max.	23 W (for 110 V DC)
Power rating (ohmic load) max.	40 W (for 220 V DC)
Power rating (ohmic load) max.	1500 VA (for 250 V AC)
Switching capacity min.	120 mW

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**General data**

Length	28 mm
Height	15 mm
Width	5 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min)
Ambient temperature (operation)	-40 °C ... 85 °C
Operating mode	100% operating factor
Service life mechanical	2 x 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664
Standards/regulations	IEC 60664 A
Standards/regulations	DIN VDE 0110
Standards/regulations	DIN VDE 0106-101
Standards/regulations	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Standards/regulations	IEC 60255/DIN VDE 0435 (in relevant parts)
Standards/regulations	EN 60730/DIN VDE 0631
Contamination class	3
Surge voltage category	III

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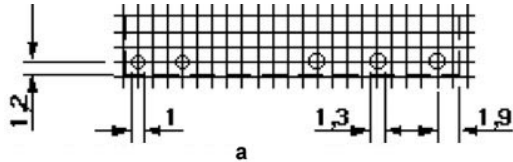
**Connection data**

Type of connection	Plug / solder connection
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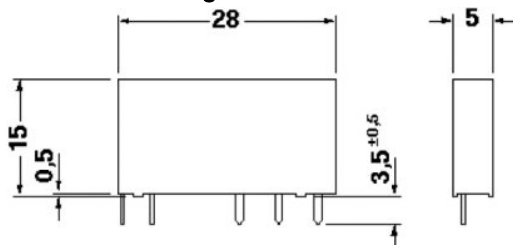
## ► Drawings

### Drilling diagram

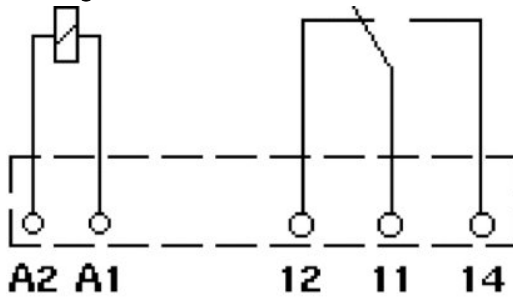


a = pitch division 1.25 mm and 1.27 mm

### Dimensioned drawing



### Circuit diagram



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## ► Address

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