

## REL-MR- 12DC/21

Order No.: 2961150


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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2961150>

Pluggable miniature relays, with power contact, 1 PDT, input voltage 12 V DC

### Commercial data

GTIN (EAN)	 4 017918 159566
sales group	G084
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 92 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
08/10/2006



<http://www.download.phoenixcontact.com>  
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### Technical data

#### Coil side

Nominal input voltage $U_N$	12 V DC
Nominal input current at $U_{IN}$	14 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	848 $\Omega \pm 10\%$ (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	5 V (at 100 mA)
Maximum inrush current	(on request)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (for 48 V DC)
	18 W (for 60 V DC)
	23 W (for 110 V DC)
	40 W (for 220 V DC)
	1500 VA (for 250 V AC)

**General data**

Width	5 mm
Height	28 mm
Depth	15 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Operating mode	100% operating factor
Mechanical service life	2 x 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

**Connection data**

Type of connection	Plug / solder connection
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### Certificates / Approvals



Certification

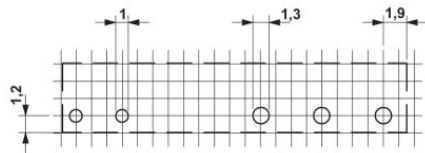
CUL, GL, GOST, UL, VDE-PZI, VDE-PZI

### Additional products

Item	Designation	Description
<b>General</b>		
2966896	PLC-BSC- 12DC/21	6.2 mm PLC basic terminal blocks with screw connection method, input voltage 12 V DC(without relay or optocoupler)
2967219	PLC-BSP- 24DC/21	6.2 mm PLC basic terminal blocks with spring-cage connection method, input voltage 24 V DC(without relay or optocoupler)

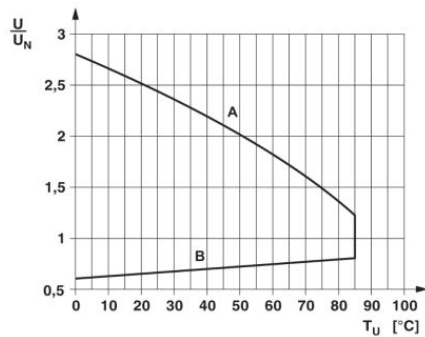
### Diagrams/Drawings

Drilling plan/solder pad geometry



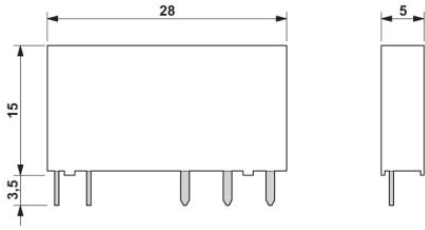
a = pitch division 1.25 mm and 1.27 mm

Diagram



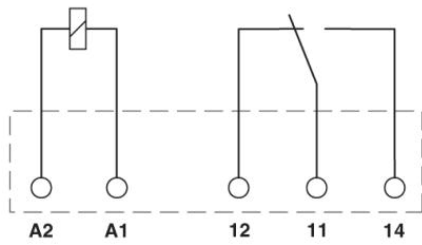
Dimensioned drawing

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Circuit diagram

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