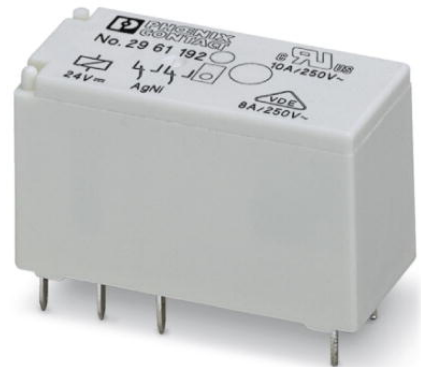


REL-MR-230AC/21-21

Order No.: 2961451



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2961451>

Pluggable miniature relay, with power contact, 2 PDT, coil voltage 230 V AC

Commercial data

EAN	4017918937867
Pack	10 Pcs.
Customs tariff	85364900
Weight/Piece	0.01593 KG
Catalog page information	Page 46 (IF-2007)

Product notes

WEEE/RoHS-compliant since:
09/07/2007



<http://www.download.phoenixcontact.com>
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. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Coil side

Nominal input voltage U_N	230 V AC
Nominal input current at U_N	3 mA (at 50 Hz) 2.5 mA (at 60 Hz)
Typical response time	3 ms ... 12 ms (depending on phase relation)

Typical release time range	2 ms ... 9 ms (depending on phase relation)
Coil resistance	32500 Ω +/-15% (at 20°C)

Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V
Maximum inrush current	15 A (300 ms)
Min. switching current	10 mA
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	190 W (for 24 V DC)
	85 W (for 48 V DC)
	60 W (for 60 V DC)
	44 W (for 110 V DC)
	60 W (for 220 V DC)
	2000 VA (for 250 V AC)

General data

Length	29 mm
Height	15.7 mm
Width	12.7 mm
Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min)
Test voltage relay contact/relay contact	2.5 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
Service life mechanical	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
Pollution degree	3
Surge voltage category	III

Mounting position	Any
Assembly instructions	Can be aligned without spacing ($> 70\text{ }^{\circ}\text{C} \geq 2.5\text{ mm}$)

Certificates / Approvals

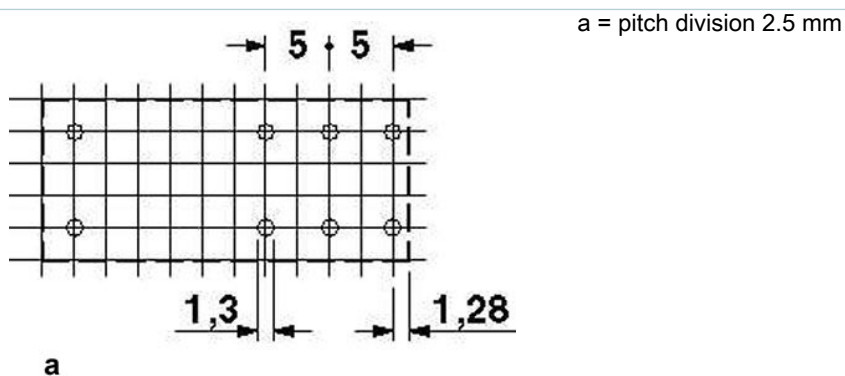


Certification

CUL, UL, VDE-PZI

Drawings

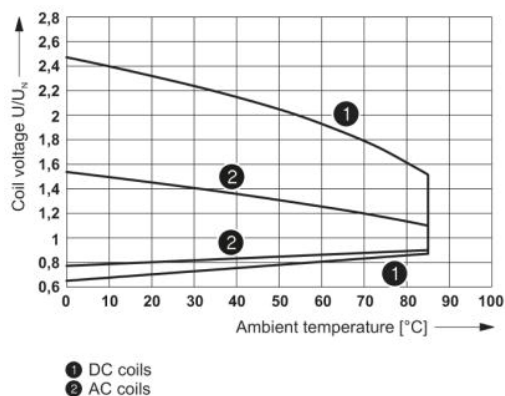
Drilling diagram



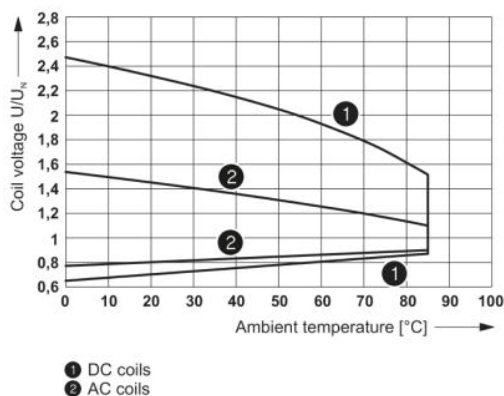
a = pitch division 2.5 mm

a

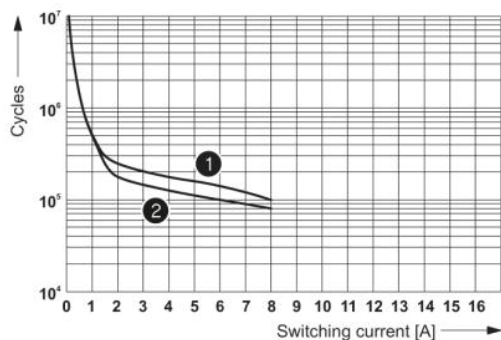
Diagram



Operating voltage range

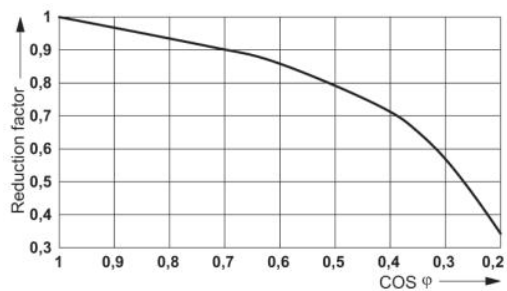


Interrupting rating



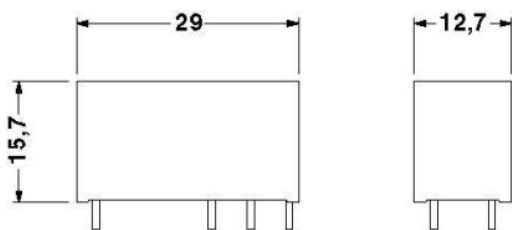
- ① 250 V AC, ohmic load (DC coils)
- ② 250 V AC, ohmic load (AC coils)

Electrical service life

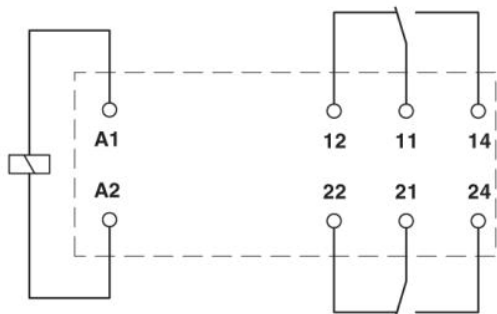


Service life reduction factor with various cos phi

Dimensioned drawing



Circuit diagram



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