


# REL-MR-230AC/21-21/MS

Order No.: 2987972



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2987972>

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, integrated LED, coil voltage 230 V AC

Commercial data	
GTIN (EAN)	
sales group	G084
Pack	10 pcs.
Customs tariff	85364900
Product key	106084
country of origin	CN
Catalog page information	Page 62 (IF-2011)

#### Product notes

WEEE/RoHS-compliant since: 12/16/2008



<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	
<b>Coil side</b>	
Nominal input voltage $U_N$	230 V AC
Nominal input current at $U_{IN}$	3.5 mA
Typical response time	3 ms ... 12 ms (depending on phase relation)
Typical release time range	2 ms ... 8 ms (depending on phase relation)

#### Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V AC/DC
Maximum inrush current	15 A (300 ms)
Min. switching current	100 mA
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	2000 VA (for 250 V AC)

#### General data

Width	12.7 mm
Height	29 mm
Depth	25 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 ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Mechanical service life	5 x 10 <sup>6</sup> cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103

#### Certificates / Approvals



Certification

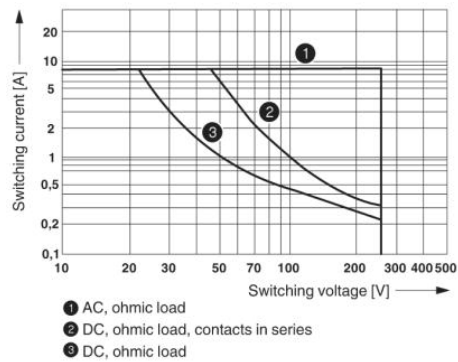
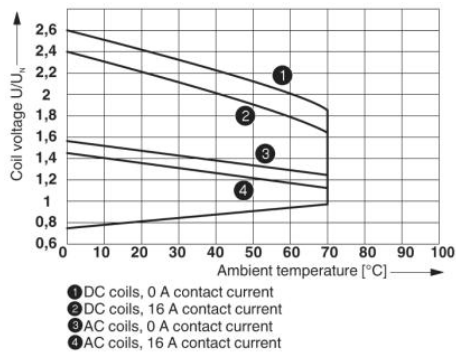
CUL, UL, VDE-PZI

**Additional products**

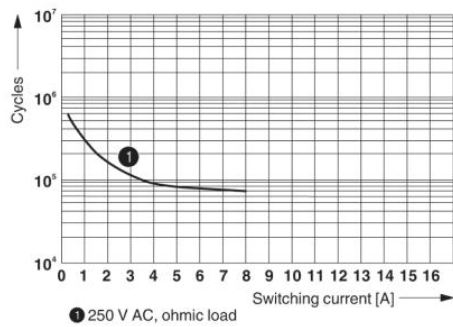
Item	Designation	Description
<b>Relay base</b>		
2833521	PR1-BSC3/2X21	Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 1/3 level design, screw connections, connection facility for input/interference suppression modules
2833534	PR1-BSP3/2X21	Relay socket PR1..., for miniature power relay or miniature switching relay with 1 or 2 PDT or solid-state relay of same construction, 1/3 level design, spring-cage connections, connection facility for input/interference suppression modules

**Diagrams/Drawings**

Diagram



Operating voltage range



Interrupting rating

Electrical service life

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2012 Phoenix Contact  
Technical modifications reserved;