

# REL-MR-120AC/21HC/MS


Order No.: 2987901

The figure shows the 230 V version.



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2987901>

Pluggable miniature relays, with power contact for high continuous current, 1 PDT, test button, mechanical switch position indicator, integrated LED, input voltage 120 V AC

Commercial data	
GTIN (EAN)	4 046356 481038 
sales group	G084
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 62 (IF-2011)

#### Product notes

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



<http://www.download.phoenixcontact.com>  
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Technical data	
<b>Coil side</b>	
Nominal input voltage $U_N$	120 V AC
Nominal input current at $U_{IN}$	7 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, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	6 V AC/DC
Maximum inrush current	30 A (300 ms)
Min. switching current	100 mA
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	4000 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.)
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

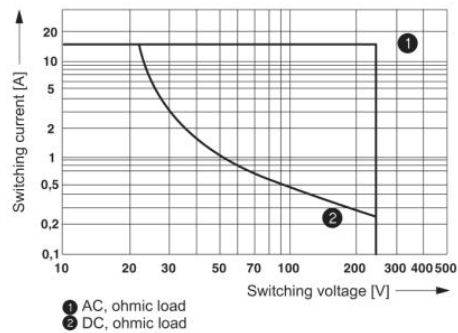
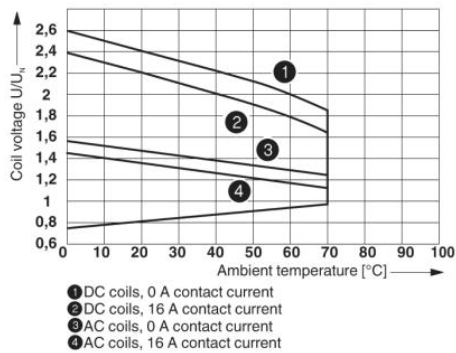
CUL, UL, VDE-PZI

**Additional products**

Item	Designation	Description
<b>General</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

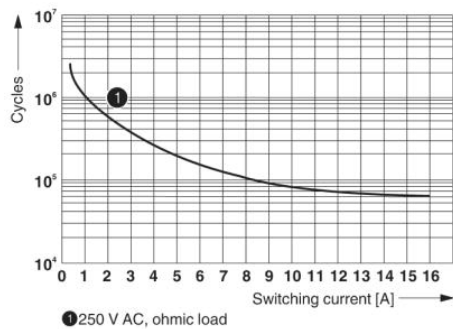
**Diagrams/Drawings**

Diagram



Interrupting rating

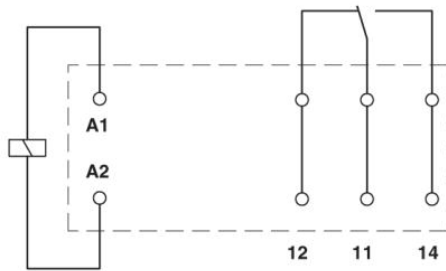
Operating voltage range



Electrical service life

Circuit diagram

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