

Single relay - REL-MR-110DC/21HC/MS - 1012737

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 110 V DC

Your advantages

- With detectable manual operation
- Integrated status LED
- Switching current of up to 16 A
- Mechanical switch position indicator
- DC types with integrated freewheeling diode



Key Commercial Data

Packing unit	10 pc
GTIN	 4 055626 490748
GTIN	4055626490748
Weight per Piece (excluding packing)	18.600 g
Custom tariff number	85364900
Country of origin	China
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	12.7 mm
Height	29 mm
Depth	25 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Single relay - REL-MR-110DC/21HC/MS - 1012737

Technical data

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	3.6 mA
Typical response time	9 ms
Typical release time	6 ms

Contact side

Contact type	1 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	32 A (20 ms)
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	4000 VA (for 250 V AC)
Motor load according to UL 508	1/4 HP, 120 V AC (N/O contact)
	1/2 HP, 240 V AC (N/O contact)

General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Mechanical service life	5x 10 ⁶ cycles
Service life, electrical	see diagram

Connection data

Connection method	Solder connection
-------------------	-------------------

Standards and Regulations

Standards/regulations	EN 61810-1
	VDE 0435-201
	EN 50178

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings