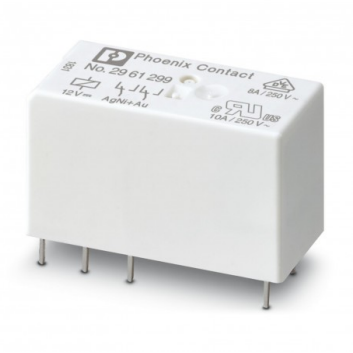
INDUSTRIAL COMPONENT DATA

REL-MR- 12DC/21-21AU 2961299 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-MR-12DC/21-21AU



Manufacturer	PHOENIX CONTACT
MPN / Reference	REL-MR-12DC/21-21AU
Catalog number	2961299
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-CC0136F183
Generated	2026-11-19

Product Overview

Single relay
Plug-in miniature power relay, with multi-layer gold contact, 2 switched contacts, input voltage 12 V DC

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Industrial Relays

Additional Product Information

Technical dataProduct propertiesProduct type Single relay
Operating mode 100% operating factor
Mechanical service life 3x 107cycles
Data management status
Date of last data management 02.05.2024
Article revision 02
Insulation characteristics
Insulation Basic insulation
Overvoltage category III
Pollution degree 3
Electrical propertiesService life electrical see diagram
Maximum power dissipation for nominal condition 0.4 W
Test voltage (Winding/contact) 5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact) 2.5 kV AC (50 Hz, 1 min., contact/contact)

Input dataCoil side
Nominal input voltage UN 12 V DC
Input voltage range 7.8 V DC ... 29.76 V DC
Drive and function monostable
Drive (polarity) non-polarized
Typical input current at UN 33 mA
Typical response time 7 ms
Typical release time 3 ms
Coil resistance 360 ? ±10 % (at 20 °C)
Output dataSwitching
Contact switching type 2 changeover contacts
Type of switch contact Single contact
Contact material AgNi, hard gold-plated
Maximum switching voltage 30 V AC
36 V DC
Minimum switching voltage 100 mV (at 10 mA)
Limiting continuous current 50 mA
Maximum inrush current 50 mA
Min. switching current 1 mA (at 24 V)
Interrupting rating (ohmic load) max. 1.2 W (at 24 V DC)
Switching capacity min. 0.12 W
Switching: when the gold layer is destroyed
Note the following values are applicable if a gold layer is destroyed
Contact material AgNi
Maximum switching voltage 250 V
Minimum switching voltage 5 V (at 10 mA)
Limiting continu...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-MR-12DC/21-21AU with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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