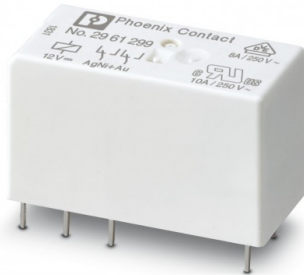


INDUSTRIAL COMPONENT DATA

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-1DE4B596F7
Generated	2026-08-01

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 $\pm 10\%$ (at 20 °C)**Output data**Switching

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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