INDUSTRIAL COMPONENT DATA

REL-MR-12DC/21-21/C1D2 2906988 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-MR-12DC/21-21/C1D2



Manufacturer	PHOENIX CONTACT
MPN / Reference	REL-MR-12DC/21-21/C1D2
Catalog number	2906988
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-011B1F94AE
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Product Overview

Single relay
Plug-in miniature power relay, RT III sealed with power contacts, 2 switched contacts, input voltage: 12 V DC, in combination with the corresponding PLC socket approved according to ATEX/IECEx (zone 2) and Ex zone class I, div. 2.
Plug-in miniature power relay, RT III sealed with power contacts, 2 changeover contacts, input voltage: 12 V DC, in connection with the corresponding PLC base approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

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 01
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 9.4 V DC ... 29.8 V DC
Input voltage range in reference to UN see diagram
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
Maximum switching voltage 250 V AC/DC
Minimum switching voltage 5 V (at 10 mA)
Limiting continuous current 8 A
Maximum inrush current 25 A (20 ms)
Min. switching current 10 mA (At 5 V)
Interrupting rating (ohmic load) max. 190 W (at 24 V DC)
85 W (at 48 V DC)
60 W (at 60 V DC)
44 W (at 110 V DC)
60 W (at 220 V DC)
2000 VA (for 250 V AC)
Switching capacity 2 A (at 24 V, DC13)
0.2 A (at 250 V, DC13)
3 A (at 24 V, AC15)
3 A (at 120 V, AC15)
3 A (at 250 V, AC15)
Conne...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-MR-12DC/21-21/C1D2 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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