INDUSTRIAL COMPONENT DATA

# REL-MR-12DC/21HC/EX 2908821 PHOENIX CONTACT Single relay

**Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-MR-12DC/21HC/EX**



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| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | REL-MR-12DC/21HC/EX |
| Catalog number | 2908821 |
| Category | Switching relay |
| Minimum order | 10 Pcs |
| Document ID | EO-6877EF743F |
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## Product Overview

Single relay
Plug-in miniature power relay, sealed RT III with power contacts, 1 switched contact, 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.
Miniature plug-in power relay, RT III sealed with power contacts, 1 changeover contacts, input voltage: 12 V DC, coordinated with the appropriate PLC bases approved according to ATEX/IECEx (Zone 2) and Zone Ex 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

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| Catalog path | PHOENIX CONTACT > Industrial Relays |

## Additional Product Information

Key Commercial Data
Orderkey 2908821
Packing unit 10 pc
Minimum order quantity 10 pc
Note Made to Order (non-returnable)
GTIN 4055626345154
Weight per Piece (excluding packing) 15.900 g
Custom tariff number 85364190
Country of origin AT (Austria)
Dimensions
Width 12.7 mm

Height 29 mm
Depth 15.7 mm
Ambient conditions
Ambient temperature (operation) -40 °C ... 85 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Coil side
Nominal input voltage UN 12 V DC
Input voltage range in reference to UN see diagram
Typical input current at UN 33 mA
Typical response time 7 ms
Typical release time 3 ms
Coil resistance 360 ? ±10 % (at 20 °C)
Power dissipation for nominal condition 0.4 W
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 50 A (20 ms)
Limiting continuous current 16 A
Interrupting rating (ohmic load) max. 384 W (at 24 V DC)
58 W (at 48 V DC)
48 W (at 60 V DC)
50 W (at 110 V DC)
80 W (at 220 V DC)
4000 VA (for 250 V AC)
Switching capacity 2 A (at 24 V, DC13)
0.2 A (at 110 V, DC13)
0.2 A (at 250 V, DC13)
6 A (at 24 V, AC15)
6 A (at 120 V, AC15)
6 A (at 250 V, AC15)
General
Test voltage relay winding/relay contact 5 kV AC (50 Hz, 1 min.)
Operating mode 100% operating factor
Degree of protection RT III (wash-proof)
Mechanical service life 3x 107cycles
Service life, electrical see diagram
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## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-MR-12DC/21HC/EX 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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