INDUSTRIAL COMPONENT DATA

OPT-24DC/230AC/ 2 2982171 PHOENIX CONTACT Miniature solid-state relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: OPT-24DC/230AC/ 2



Manufacturer	PHOENIX CONTACT
MPN / Reference	OPT-24DC/230AC/ 2
Catalog number	2982171
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-9D3181EC04
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Product Overview

Miniature solid-state relay
Plug-in miniature solid-state relay, power solid-state relay, 1 closing contact, input: 24 V DC, output: 24-253 V AC/ 2 A

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

Key Commercial Data
Orderkey 2982171
Packing unit 10 pc
Minimum order quantity 10 pc
Catalog page Page 311 (C-5-2017)
GTIN 4017918996970
Weight per Piece (excluding packing) 10.330 g
Custom tariff number 85364190
Country of origin HU (Hungary)
Dimensions
Width 12.7 mm
Height 29 mm
Depth 15.7 mm
Ambient conditions

Ambient temperature (operation) -25 °C ... 60 °C
Ambient temperature (storage/transport) -25 °C ... 70 °C
Input data
Nominal input voltage UN 24 V DC
Input voltage range in reference to UN 0.8 ... 1.2
Input voltage range 19.2 V DC ... 28.8 V DC
Switching threshold "0" signal, voltage < 8.4 V DC
Switching threshold "1" signal voltage > 18 V DC
Typical input current at UN 7 mA
Typical response time 10 ms
Typical turn-off time 10 ms
Type of protection Reverse polarity protection
Protective circuit/component Polarity protection diode
Transmission frequency 10 Hz
Power dissipation for nominal condition 0.17 W
Output data
Output nominal voltage 230 V AC
Output voltage range 24 V AC ... 253 V AC
Limiting continuous current 2 A (see derating curve)
Maximum inrush current 30 A (10 ms)
Min. load current 25 mA
Leakage current typ. 1 mA
Surge current 30 A (10 ms)
Max. load value 4 A2s (tp = 10 ms, at 25 °C)
Voltage drop at max. limiting continuous current <= 1 V
Output circuit 2-conductor floating, zero voltage switch
Type of protection Surge protection
Protective circuit/component RC element
General
Test voltage input/output 2.5 kV (50 Hz, 1 min.)
Mounting position any
Assembly...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OPT-24DC/230AC/ 2 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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