

INDUSTRIAL COMPONENT DATA

OPT-24DC/ 24DC/ 5 2982100 PHOENIX CONTACT Miniature solid-state relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: OPT-24DC/ 24DC/ 5



Manufacturer	PHOENIX CONTACT
MPN / Reference	OPT-24DC/ 24DC/ 5
Catalog number	2982100
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-C9FC07834C
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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: 3-33 V DC/5 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
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Additional Product Information

Key Commercial Data

Orderkey 2982100

Packing unit 10 pc

Minimum order quantity 10 pc

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GTIN 4017918937492

Weight per Piece (excluding packing) 11.650 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 ≤ 10 V
Switching threshold "1" signal voltage ≥ 16 V
Typical input current at UN 7 mA
Typical response time 20 μ s
Typical turn-off time 400 μ s
Type of protection Reverse polarity protection
Protective circuit/component Polarity protection diode
Transmission frequency 300 Hz
Power dissipation for nominal condition 0.17 W
Output data
Output nominal voltage 24 V DC
Output voltage range 3 V DC ... 33 V DC
Limiting continuous current 5 A (see derating curve)
Maximum inrush current 15 A (10 ms)
Surge voltage protection > 33 V DC
Voltage drop at max. limiting continuous current ≤ 200 mV
Output circuit 2-wire, floating
Type of protection Reverse polarity protection
Surge protection
Protective circuit/component Polarity protection diode
General
Test voltage input/output 2.5 kV (50 Hz, 1 min.)
Assembly instructions In rows with zero spacing
Operating mode 100% operating factor
Degree of protectio...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OPT-24DC/ 24DC/ 5 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 PI #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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