

INDUSTRIAL COMPONENT DATA

OPT- 5DC/230AC/ 2 2982168 PHOENIX CONTACT Miniature solid-state relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: OPT-5DC/230AC/ 2



Manufacturer	PHOENIX CONTACT
MPN / Reference	OPT-5DC/230AC/ 2
Catalog number	2982168
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-92061284C2
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Product Overview

Miniature solid-state relay

Plug-in miniature solid-state relay, solid-state power relay, 1 closing contact, input: 5 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
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Additional Product Information

Key Commercial Data

Orderkey 2982168

Packing unit 10 pc

Minimum order quantity 10 pc

Note Made to Order (non-returnable)

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GTIN 4017918996963

Weight per Piece (excluding packing) 10.930 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 5 V DC

Input voltage range in reference to UN 0.8 ... 1.2

Input voltage range 4 V DC ... 6 V DC

Switching threshold "0" signal, voltage < 1 V DC

Switching threshold "1" signal voltage > 3 V DC

Typical input current at UN 15 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 0.08 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 < 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.)

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OPT-5DC/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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