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-C3967F1594
Generated	2026-11-18

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

Additional Product Information

Key Commercial Data
Orderkey 2982168
Packing unit 10 pc
Minimum order quantity 10 pc
Note Made to Order (non-returnable)
Catalog page Page 311 (C-5-2017)
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.)
Mounti...

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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.