INDUSTRIAL COMPONENT DATA

OPT- 5DC/230AC/ 1 2982139 PHOENIX CONTACT Miniature solid-state relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: OPT-5DC/230AC/ 1



Manufacturer	PHOENIX CONTACT
MPN / Reference	OPT-5DC/230AC/ 1
Catalog number	2982139
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-E5CE767FC9
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Product Overview

Miniature solid-state relay
Plug-in miniature solid-state relay, power solid-state relay, 1 closing contact, input: 5 V DC, output: 24-253 V AC/ 0.75 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

Technical dataProduct propertiesProduct type Single solid-state relay
Operating mode 100% operating factor
Data management status
Date of last data management 07.10.2024
Article revision 00
Insulation characteristics: Standards/regulations
Overvoltage category III
Pollution degree 2
Electrical propertiesStandards/regulations
Rated insulation voltage 260 V AC
Rated surge voltage 4 kV (Basic insulation)
Input dataNominal 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 in reference to UN 0.2
Switching threshold "1" signal in reference to UN 0.6
Typical input current at UN 7 mA
Typical response time 10 ms
Typical turn-off time 10 ms
Transmission frequency 10 Hz
Output dataContact switching type 1 N/O contact
Design of digital output electronic
Output voltage range 24 V AC ... 253 V AC
Limiting continuous current 0.75 A (see derating curve)
Maximum inrush current 30 A (10 ms)
Min. load current 10 mA
Leakage current < 1 mA (in off state)
Phase angle cos phi min 0.5
Max. load value 4.5 A2s
Voltage drop at max. limiting continuous current < 1 V
Output circuit 2-conductor floating, zero voltage switch
Protective circuit RCV circuit; RCV circuit
DimensionsDimensional drawing
Width 5 mm
Height 28 mm
Depth 15 mm
Material specificationsColor black (RAL 9005)
Environmental and real-life conditionsAmbient conditions
Degree of protection RT III
Ambient temperature (operation) -20 °C ... 60 °C
Amb...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OPT-5DC/230AC/ 1 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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