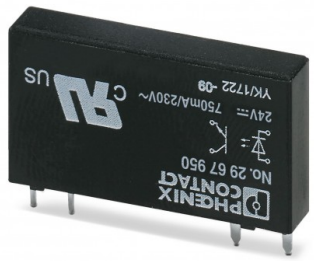
INDUSTRIAL COMPONENT DATA

OPT-24DC/230AC/ 1 2967950 PHOENIX CONTACT Miniature solid-state relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: OPT-24DC/230AC/ 1



Manufacturer	PHOENIX CONTACT
MPN / Reference	OPT-24DC/230AC/ 1
Catalog number	2967950
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-E6DB686BA6
Generated	2026-07-29

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/ 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 11.07.2024
Article revision 02
Insulation characteristics: Standards/regulations
Insulation Basic insulation
Overvoltage category III
Pollution degree 2
Electrical propertiesMaximum power dissipation for nominal condition 0.07 W
Test voltage (Input/output) 2.5 kV (50 Hz, 1 min., input/output)
Input dataNominal 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 in reference to UN 0.35
Switching threshold "1" signal in reference to UN 0.8
Typical input current at UN 6.6 mA
Typical response time 10 ms (at UN)
Typical turn-off time 10 ms (at UN)
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
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....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OPT-24DC/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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