

INDUSTRIAL COMPONENT DATA

ST-OV3- 24DC/240AC/3 2903231 PHOENIX CONTACT

Solid-state relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: ST-OV3-24DC/240AC/3



Manufacturer	PHOENIX CONTACT
MPN / Reference	ST-OV3-24DC/240AC/3
Catalog number	2903231
Category	Optocoupler
Minimum order	1 Pcs
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Product Overview

Solid-state relays

Pluggable solid-state power relay, with indicator light and protection circuit in input and output circuit, input: 24 V DC, output: 24-280 V AC/max. 3 A, pluggable to base terminal blocks

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 2903231

Packing unit 10 pc

Catalog page Page 92 (IF-2005)

GTIN 4017918079017

Weight per Piece (excluding packing) 55.500 g

Custom tariff number 85364190

Country of origin DE (Germany)

Dimensions

Width 20.8 mm

Height 33 mm

Depth 66.5 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 60 °C

Ambient temperature (storage/transport) -20 °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 in reference to UN ≤ 0.4

Switching threshold "1" signal in reference to UN ≥ 0.8

Typical input current at UN 7 mA

Typical response time switch-on time: Max. one half cycle - zero-voltage crossing

Typical turn-off time switch-off time Max. one half cycle - zero-current crossing

Operating voltage display Yellow LED

Type of protection Reverse polarity protection

Protective circuit/component Polarity protection diode

Transmission frequency 25 Hz

Output data

Output voltage range 24 V AC ... 280 V AC

Limiting continuous current 3 A (see derating curve)

Min. load current 50 mA

Leakage current 5 mA (in off state - components with low minimum load and leakage currents on request.)

Surge current 35 A ($t = 10$ ms)

Max. load value 6 A2s ($I_2 \times t$ at $t = 8.3$ ms)

Peak offstate voltage 600 V

Voltage drop at max. limiting continuous current 1.5 V

Output circuit 2-wire, floating

Protective circuit/component RC element

General

Test voltage input/o...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ST-OV3-24DC/240AC/3 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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