

INDUSTRIAL COMPONENT DATA

EMG 10-OV-110DC/24DC/1 2944245 PHOENIX CONTACT

Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 10-OV-110DC/24DC/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 10-OV-110DC/24DC/1
Catalog number	2944245
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-D9B871DB68
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Product Overview

Solid-state relay module

Solid-state power relay, with indicator light and protection circuit in input and output circuit, input: 110 V DC, output: 5-36 V DC/max. 1 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 2944245

Packing unit 10 pc

Note Made to Order (non-returnable)

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GTIN 4017918081546

Weight per Piece (excluding packing) 40.530 g

Custom tariff number 85364900

Country of origin DE (Germany)

Dimensions

Width 10 mm

Height 75 mm

Depth 102 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 50 °C

Ambient temperature (storage/transport) -20 °C ... 70 °C

Degree of protection IP20

Input data

Nominal input voltage UN 110 V DC

Input voltage range in reference to UN 0.9 ... 1.1

Input voltage range 99 V DC ... 121 V DC

Switching threshold "0" signal in reference to UN ≤ 0.23 Switching threshold "1" signal in reference to UN ≥ 0.9

Typical input current at UN 4 mA

Typical response time 0.1 ms

Typical turn-off time 0.2 ms

Status display Yellow LED

Type of protection Reverse polarity protection

Protective circuit/component Polarity protection diode

Transmission frequency 500 Hz

Output data

Output nominal voltage 24 V DC

Output voltage range 5 V DC ... 36 V DC

Limiting continuous current 1 A (see derating curve)

Surge current 2 A ($t = 1$ s)

Peak offstate voltage 45 V DC (Collector-emitter reverse voltage)

Voltage drop at max. limiting continuous current ≤ 1 V

Output circuit 2-wire, floating

Type of protection Reverse polarity protection

Protective circuit/component Polarity protection diode

Connection data, input side

Connection name Input side

Connection method Screw connection

Stripping length 8 mm

Screw thread M3

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 10-OV-110DC/24DC/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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