

INDUSTRIAL COMPONENT DATA

EMG 10-OV- 12DC/24DC/1 2944216 PHOENIX CONTACT

Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 10-OV-12DC/24DC/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 10-OV-12DC/24DC/1
Catalog number	2944216
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-B161D9320E
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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: 12 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**

Additional Product Information

Key Commercial Data

Orderkey 2944216

Packing unit 10 pc

Catalog page Page 138 (IF-2011)

GTIN 4017918081515

Weight per Piece (excluding packing) 38.350 g

Custom tariff number 85364190

Country of origin DE (Germany)

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

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 12 V DC

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

Input voltage range 10.8 V DC ... 13.2 V DC

Switching threshold "0" signal in reference to UN ≤ 0.33

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

Connect...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 10-OV-12DC/24DC/1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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