

INDUSTRIAL COMPONENT DATA

EMG 12-OV- 24DC/ 60DC/1 2948746 PHOENIX CONTACT

Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 12-OV-24DC/ 60DC/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 12-OV-24DC/ 60DC/1
Catalog number	2948746
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-77C880F28F
Generated	2026-08-02

Product Overview

Solid-state relay module

Solid-state power relay, with indicator light and protection circuit in input and output circuit, input: 24 V DC, output: 12-60 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 2948746

Packing unit 10 pc

Catalog page Page 139 (IF-2011)

GTIN 4017918083410

Weight per Piece (excluding packing) 48.510 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 12.5 mm

Height 75 mm

Depth 102 mm

Ambient conditions

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

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

Degree of protection IP20

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 20 μ s

Typical turn-off time 200 μ s

Status display Yellow LED

Type of protection Reverse polarity protection

Surge protection

Protective circuit/component Polarity protection diode

Transmission frequency 500 Hz

Output data

Output nominal voltage 60 V DC

Output voltage range 12 V DC ... 60 V DC

Limiting continuous current 1 A (see derating curve)

Peak offstate voltage 60 V DC

Voltage drop at max. limiting continuous current 1.2 V

Output circuit 2-wire, floating

Type of protection Reverse polarity protection

Surge protection

Protective circuit/component Polarity protection diode

Connection data, input side

Connection name Input side

Connection method Screw connection

S...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 12-OV-24DC/ 60DC/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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.