INDUSTRIAL COMPONENT DATA

EMG 12-OV- 24DC/240AC/1 2948827 PHOENIX CONTACT Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 12-OV-24DC/240AC/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 12-OV-24DC/240AC/1
Catalog number	2948827
Category	Optocoupler
Minimum order	10 Pcs
Document ID	EO-1BAF9DA631
Generated	2026-11-18

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: 24-280 V AC/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 2948827
Packing unit 10 pc
Catalog page Page 139 (IF-2011)
GTIN 4017918083496
Weight per Piece (excluding packing) 46.640 g
Custom tariff number 85364190
Country of origin DE (Germany)
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 6.8 mA
Typical response time max. one half cycle - zero-voltage crossing
Typical turn-off time max. one half cycle - zero-current crossing
Status display Yellow LED
Type of protection Reverse polarity protection
Surge protection
Protective circuit/component Polarity protection diode
Varistor
Transmission frequency 10 Hz
Output data
Output nominal voltage 240 V AC
Output voltage range 24 V AC ... 280 V AC (50 Hz ... 60 Hz)
Limiting continuous current 1 A (see derating curve)
Min. load current 50 mA
Leakage current 3.5 mA
Surge current 125 A (t = 10 ms)
Max. load value 78 A2s (I2x t where t = 10 ms)
Peak offstate voltage 600 V (Periodic peak reverse voltage)
Voltage drop at max. limiting continuous current <= 1.5 V
Output circuit 2-wire, floating
Type of protection RC element
Protective circuit/c...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 12-OV-24DC/240AC/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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