

INDUSTRIAL COMPONENT DATA

EMG 17-OV- 24DC/ 24DC/2 2946803 PHOENIX CONTACT

Solid-state relay module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 17-OV-24DC/ 24DC/2



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 17-OV-24DC/ 24DC/2
Catalog number	2946803
Category	Optocoupler
Minimum order	1 Pcs
Document ID	EO-9C3017D609
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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: 24 V DC, output: short circuit resistant, 10-30 V DC/max. 2 A

Power solid-state relay, with LED and protective circuit in input and output circuits, input: 24 V DC, output: short-circuit-proof, 10 - 30 V DC/max. 2 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

Technical dataNotesUtilization restriction

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

Product propertiesProduct type Solid-state relay module

Application Output function

Operating mode 100% operating factor

Data management status

Date of last data management 03.05.2024

Article revision 07

Insulation characteristics

Insulation Basic insulation

Overvoltage category III

Pollution degree 2

Electrical properties Test voltage (Input/output) 2.5 kV AC (Input/output)

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 3.5 mA

Typical response time 120 μ s

Typical turn-off time 400 μ s

Status display LED (yellow)

Protective circuit Reverse polarity protection; Polarity protection diode

Surge protection; Varistor

Transmission frequency 1000 Hz

Output data Contact switching type 1 N/O contact

Design of digital output electronic

Output nominal voltage 24 V DC

Output voltage range 10 V DC ... 30 V DC

Limiting continuous current 2 A (see derating curve)

Leakage current 150 μ A

Peak offstate voltage 33 V DC (Collector-emitter reverse voltage)

Current limitation at short-circuits > 2 A (short-circuit-proof)

Voltage drop at max. limiting continuous current ≤ 0.3 V

Output circuit 3-conductor, ground-referenced

Error indication Red LED

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 17-OV-24DC/ 24DC/2 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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