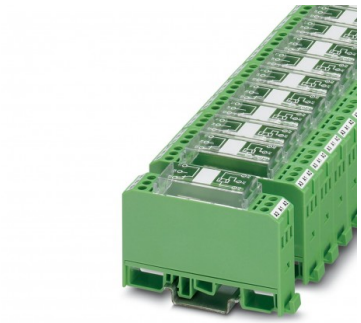
INDUSTRIAL COMPONENT DATA

EMG 17-REL/SG-B 48/21/P 2946654 PHOENIX CONTACT Relay Module

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMG 17-REL/SG-B 48/21/P



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMG 17-REL/SG-B 48/21/P
Catalog number	2946654
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-14887BD00C
Generated	2026-11-19

Product Overview

Relay Module
Relay module, with soldered remnant switching mini-relay, with positive-switched diode circuit, contacts (AgSnO): small to large powers, 1 switched contact, 48 V DC input voltage
Relay module, with permanently soldered remanence small switching relay, with plus-switching diode circuitry, contacts (AgSnO): small to large powers, 1 changeover, input voltage 48 V DC

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 2946654
Packing unit 10 pc
Note Made to Order (non-returnable)
Catalog page Page 145 (IF-2009)
GTIN 4017918118037
Weight per Piece (excluding packing) 48.940 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 17.5 mm
Height 75 mm
Depth 62.5 mm
Ambient conditions
Ambient temperature (operation) -40 °C ... 50 °C
Ambient temperature (storage/transport) -40 °C ... 70 °C
Coil side
Nominal input voltage UN 48 V DC
Input voltage range in reference to UN 0.8 ... 1.1
Typical input current at UN typ. 8.5 mA
Typical response time 5 ms
Typical release time 5 ms
Coil voltage 24 V DC
Protective circuit Free-wheeling diode Damping diode
Reverse polarity protection Polarity protection diode
Pulse time range 30 ms ... 5 s
Power dissipation for nominal condition 0.41 W
Contact side
Contact type Single contact, 1-PDT
Type of switch contact Single contact
Contact material AgSnO
Maximum switching voltage 250 V AC/DC
Minimum switching voltage 5 V (at 100 mA)
24 V (At 1 mA)
Min. switching current 1 mA (at 24 V)
100 mA (At 5 V)
Maximum inrush current 8 A
Limiting continuous current 6 A
Interrupting rating (ohmic load) max. 144 W (at 24 V DC)
43 W (at 48 V DC)
42 W (at 60 V DC)
55 W (at 110 V DC)
100 W (at 220 V DC)
1500 VA (for 250 V AC)
Contact side (with destroyed gold layer)
Maximum switching voltage 250 V AC/DC
Limiting continuous curre...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMG 17-REL/SG-B 48/21/P 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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