

INDUSTRIAL COMPONENT DATA

TMC 1 F1 100 2,5A 0914109 PHOENIX CONTACT

Thermomagnetic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: TMC 1 F1 100 2,5A



Manufacturer	PHOENIX CONTACT
MPN / Reference	TMC 1 F1 100 2,5A
Catalog number	0914109
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-99B649C6D3
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Product Overview

Thermomagnetic device circuit breaker

Protection switches for thermomagnetic devices, number of poles: 1, connection type: Screw connection, cross-section: 0.2 mm²- 6 mm², AWG: 24 - 10, rated current: 2.5 A, fuse type: Automatic fuse, mounting class: Symmetrical rail: 35 mm

Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw connection, cross section: 0.2 mm²- 6 mm², AWG: 24 - 10, nominal current: 2.5 A, fuse type: Automatic device, mounting type: DIN rail: 35 mm

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 > Over Current Protection

Additional Product Information

Technical dataProduct propertiesProduct type Thermomagnetic device circuit breakers

Product family TMC

Type DIN rail module, one-piece

Number of positions 1

Number of connections 4

Number of rows 2

No. of channels 1

Data management status

Article revision 04

Insulation characteristics

Overvoltage category II

Degree of pollution 2

Electrical properties Fuse type Automatic device

General

Rated voltage 65 V DC

Rated current I_N 2.5 A

Rated surge voltage 2.5 kV

Insulation resistance $R_{iso} > 100 \text{ M}\Omega$ (500 V DC)

Auxiliary circuit 240 V AC / 1 A (Low-induction)

65 V AC / 1 A (Low-induction)

Tripping method TM (thermomagnetic)

Device resistance 0.26 Ω

Rated short-circuit switching capacity I_{cn} 2500 A (32 V DC)

Short-circuit switching capacity 2000 A (UL 1077: 65 V DC)

Dielectric strength 3000 V AC (Actuation area)

3000 V AC (Main to auxiliary circuit)

Switching cycles, max. 10000 (At 1 x I_N , inductive)

Fuse F1 (fast blow)

Indicator/remote signaling

Connection name Auxiliary contact

Operating voltage 250 V AC

65 V DC

Operating current 2.5 A AC (Low-induction)

Connection data Main contact

Screw thread M3

Tightening torque 0.6 ... 0.8 Nm

Stripping length 12 mm

Internal cylindrical gage A3

Conductor cross section rigid 0.2 mm² ... 6 mm²

Cross section AWG 24 ... 10 (converted acc. to IEC)

Conductor cross section flexible 0.2 mm² ... 4 mm²

Conductor cross-section flexible (ferrule without plastic sleeve) 0.25 mm² ... 4 mm²

Flexible conductor cross section (ferrule with plastic sleeve) 0.25 mm²...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TMC 1 F1 100 2,5A with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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