

## INDUSTRIAL COMPONENT DATA

# TMC 1 F1 100 5,0A 0914138 PHOENIX CONTACT

## Thermomagnetic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: TMC 1 F1 100 5,0A



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | TMC 1 F1 100 5,0A      |
| Catalog number  | 0914138                |
| Category        | Device circuit breaker |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-0F83457928          |
| Generated       | 2026-09-26             |

### Product Overview

Thermomagnetic device circuit breaker

Protection switches for thermomagnetic devices, number of poles: 1, connection type: Screw connection, cross-section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 24 - 10, rated current: 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 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 24 - 10, nominal current: 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 05

Insulation characteristics

Overvoltage category II

Degree of pollution 2

Electrical properties Fuse type Automatic device

General

Rated voltage 65 V DC

Rated current IN 5 A

Rated surge voltage 2.5 kV

Insulation resistance Riso > 100 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 0.092  $\Omega$

Rated short-circuit switching capacity Icn 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 In, inductive)

Fuse F1 (fast blow)

Indicator/remote signaling

Connection name Auxiliary contact

Operating voltage 250 V AC

65 V DC

Operating current 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 mm<sup>2</sup> ... 6 mm<sup>2</sup>

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

Conductor cross section flexible 0.2 mm<sup>2</sup> ... 4 mm<sup>2</sup>

Conductor cross-section flexible (ferrule without plastic sleeve) 0.25 mm<sup>2</sup> ... 4 mm<sup>2</sup>

Flexible conductor cross section (ferrule with plastic sleeve) 0.25 mm<sup>2</sup> .....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TMC 1 F1 100 5,0A with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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