

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



The illustration shows version TMC 1 F1 100 1A

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: 6 A, Nominal voltage: 250 V, Width: 12.5 mm, Fuse type: Automatic device, Mounting type: DIN rail: 35 mm, Color: black

## Key commercial data

Packing unit	1
Minimum order quantity	6
Catalog page	Page 282 (CL-2002)
GTIN	 4 017918 008826
Custom tariff number	85362010
Country of origin	GERMANY

## Technical data

### General

Number of levels	2
Number of connections	4
Color	black
Insulating material	PA66
Inflammability class according to UL 94	V-2

### Dimensions

Width	12.5 mm
Length	83.5 mm
Height NS 35/7.5	96 mm
Height NS 35/15	103.5 mm
Height NS 32	100.5 mm

### Technical data

Fuse type	Automatic device
Pollution degree	2
Surge voltage category	II
Insulating material group	II

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

## Technical data

### Technical data

Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	250 V AC
Nominal voltage U <sub>N</sub>	65 V DC
Ambient temperature (operation)	-30 °C ... 60 °C

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	12 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

## Classifications

### eClass

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

## Classifications

### eclass

eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116

### etim

ETIM 2.0	EC000899
ETIM 3.0	EC000899
ETIM 4.0	EC000899

### unspsc

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121411

## Approvals

### Certificates

---

#### Certification

CSA / UL Recognized / VDE approval of drawings / GOST

---

#### Certification EX

---

#### Certification submitted

---

### Approval details

CSA
-----

UL Recognized
---------------

VDE approval of drawings
--------------------------

GOST
------

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

## Accessories

Accessories

Assembly

DIN rail - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

DIN rail - NS 32 CU/120QMM UNPERF 2000MM - 1201280



G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

---

DIN rail - NS 32 CU/35QMM UNPERF 2000MM - 1201358



G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail - NS 32 AL UNPERF 2000MM - 1201028



G rail 32 mm (NS 32)

---

## Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

### Accessories

DIN rail - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

---

DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

---

DIN rail - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

---

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

---

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

## Accessories

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

---

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

---

Assembly adapters - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

---

## Bridges

Insertion bridge - EB 80-12 - 3009338

Insertion bridge, Number of positions: 80, Color: gray

---

## Marking

Zack marker strip - ZB 6:SO/CMS - 1050499



Zack marker strip, white, For terminal block width: 6 mm

---

## Tools

# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

## Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Drawings

### Diagram



# Thermomagnetic device circuit breaker - TMC 1 F1 100 6,0A - 0914141

Dimensioned drawing



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>