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Thermomagnetic device circuit breaker, Number of positions: 1, Connection method: Screw connection, Cross section: 0.2 mm²- 6 mm², AWG: 24 - 10, Nominal current: 6 A, Width: 12.5 mm, Fuse type: Automatic device, Mounting type: DIN rail: 35 mm, Color: black

The illustration shows version TMC 1 F1 100 1A



# Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	69.66 GRM
Custom tariff number	85362010
Country of origin	Germany

## Technical data

## General

Number of levels	2
Number of connections	4
Mounting type	DIN rail: 35 mm
Color	black
Number of positions	1
Surge voltage category	II
Insulating material	PA66
Inflammability class according to UL 94	V-2

#### Electrical data

Fuse type	Automatic device
Rated surge voltage	2.5 kV
Rated voltage	250 V AC
	65 V DC
Rated current I <sub>n</sub>	6 A



# Technical data

### Electrical data

Insulation resistance R <sub>iso</sub>	> 100 MΩ (500 V DC)
Rated short-circuit switching capacity I <sub>cn</sub>	800 A
	2500 A (32 V DC)
Short-circuit switching capacity I <sub>k</sub>	5000 A UL 1077: 277 V AC
	2000 A UL 1077: 65 V DC
Dielectric strength	3000 V AC (Actuation area)
	3000 V AC (Main to auxiliary circuit)
Cycles, max.	10000 (At 1 x I <sub>n</sub> , inductive)
Pollution degree	2
Surge voltage category	II
Insulating material group	II .

### **Dimensions**

Height	82.5 mm
Width	12.5 mm
Depth	96 mm

### Ambient conditions

Degree of protection	IP30 (Actuation area)
	IP20 (Connection area)
Ambient temperature (operation)	-30 °C 60 °C

## Connection data

0.2 mm²
6 mm²
0.2 mm²
4 mm²
24
10
0.25 mm²
4 mm²
0.25 mm²
2.5 mm <sup>2</sup>
0.2 mm <sup>2</sup>
0.75 mm²
0.2 mm <sup>2</sup>
0.75 mm²
0.25 mm²



# Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²
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

# Standards and Regulations

Standards/specifications	EN 60934
	UL 1077

# Classifications

# eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116

# **ETIM**

ETIM 2.0	EC000899
ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 5.0	EC000899

## **UNSPSC**

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



# Classifications

Bridge

UNSPSC	
UNSPSC 13.2	39121411
Approvals	
Approvals	
Approvals	
CSA / UL Recognized / VDE Zeichengenehmigung / GOST	
Ex Approvals	
Approvals submitted	
Approval details	
CSA 1	
UL Recognized <b>51</b>	
VDE Zeichengenehmigung 🚳	
GOST	
Accessories	
Accessories	



## Accessories

Insertion bridge - EB 80-12 - 3009338



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

#### End block

End clamp - E/UK 1 - 1201413



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

### Mounting rail

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



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



### Accessories

DIN rail, unperforated - 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, unperforated - NS 32 AL UNPERF 2000MM - 1201028



G rail 32 mm (NS 32)

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



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

DIN rail perforated - NS 32 PERF 2000MM - 1201002



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

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



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



## Accessories

DIN rail, unperforated - 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

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

#### Screwdriver tools

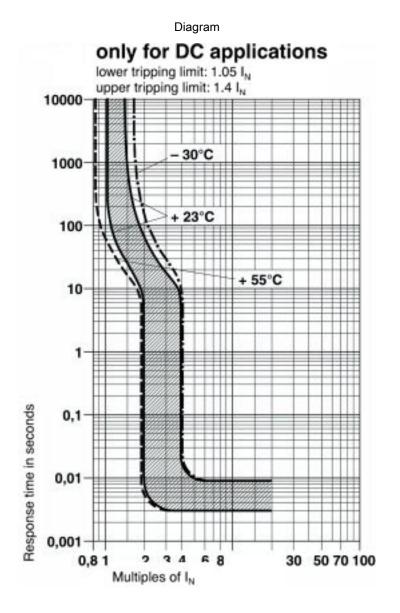
Screwdriver - SZS 0,6X3,5 - 1205053



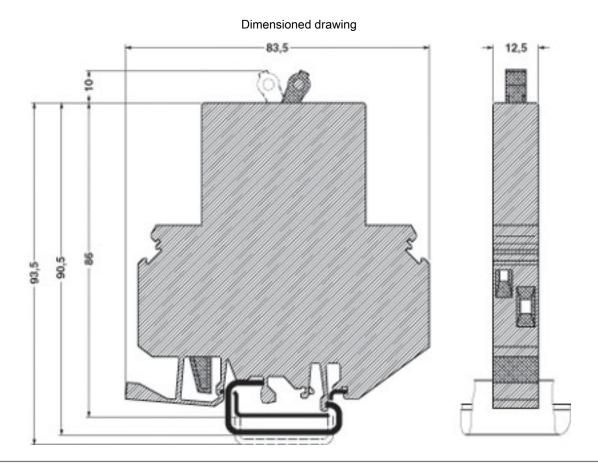
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip



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







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