

Thermomagnetic device circuit breaker - TMC 1 F1 100 0,2A - 0914015

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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, 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

Product Features

- ✓ Available with fast-blow and medium-blow characteristic curve for various nominal current strengths
- ✓ All TMCP ... plug-in thermomagnetic circuit breakers also have integrated signal contacts



Key commercial data

Packing unit	1 PCE
Minimum order quantity	6 PCE
GTIN	 4 017918 008697
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
Fuse type	Automatic device

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Technical data

General

Rated surge voltage	2.5 kV
Rated voltage	250 V AC
	65 V DC
	277 V (AC according to UL 1077)
	65 V (DC according to UL 1077)
Rated current I_n	0.2 A
Insulation resistance R_{iso} :	> 100 M Ω (500 V DC)
Rated short-circuit switching capacity I_{cn}	400 A
	2500 A (32 V DC)
Short-circuit switching capacity I_k	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_n , 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

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
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 ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²

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Technical data

Connection data

2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	0.75 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
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

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Classifications

UNSPSC

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

Approvals

Approvals

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CSA / UL Recognized / VDE Zeichengenehmigung / GOST

Ex Approvals

Approvals submitted

Approval details

CSA 

UL Recognized 

VDE Zeichengenehmigung 

GOST 

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Accessories

Accessories

Assembly

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

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

Thermomagnetic device circuit breaker - TMC 1 F1 100 0,2A - 0914015

Accessories

DIN rail - NS 32 AL UNPERF 2000MM - 1201028



G rail 32 mm (NS 32)

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

Thermomagnetic device circuit breaker - TMC 1 F1 100 0,2A - 0914015

Accessories

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

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

Bridges

Insertion bridge - EB 80-12 - 3009338



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

Tools

Screwdriver - SZS 0,6X3,5 - 1205053



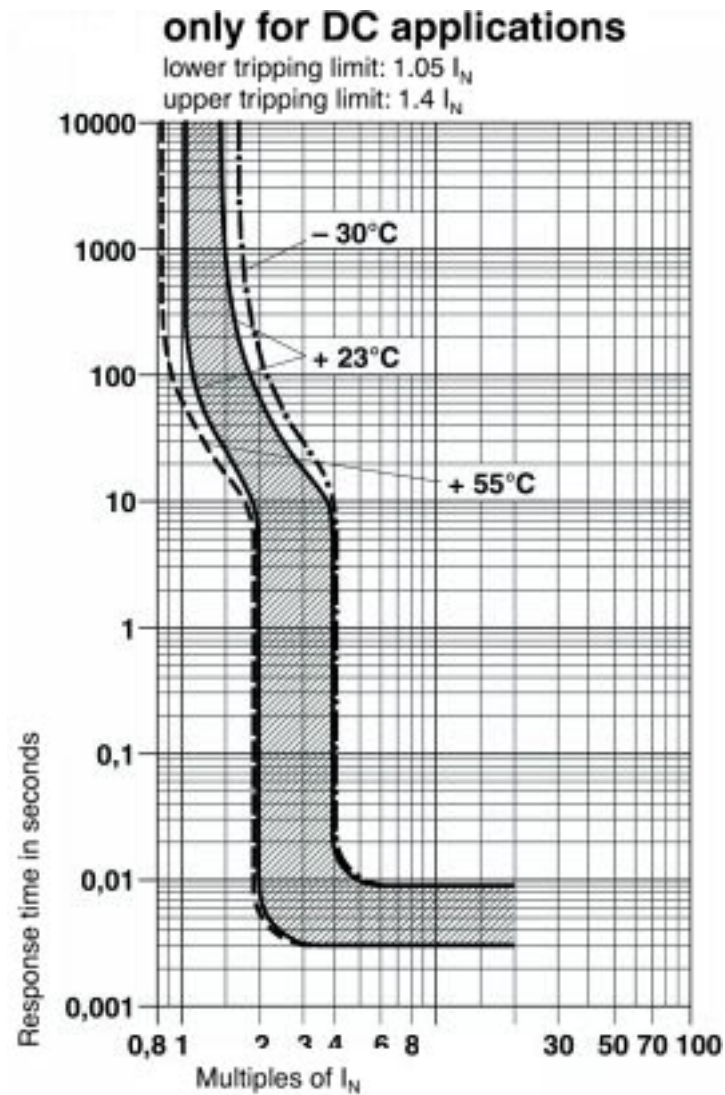
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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Accessories

Drawings

Diagram



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Dimensioned drawing

