

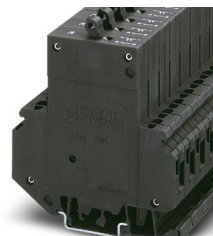
TMC 3 M1 122 8,0A - Thermal-magnetic device circuit breaker



0915412

<https://www.phoenixcontact.com/us/products/0915412>

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Thermal-magnetic circuit breaker, 3-pos., normal blow, 1 N/O contact and 2 N/C contacts, with universal foot for mounting on NS 32 or NS 35

The figure shows version TMC 1 F1
100 1A

Commercial data

Item number	0915412
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CLA121
GTIN	4017918010096
Weight per piece (including packing)	192.95 g
Weight per piece (excluding packing)	177.73 g
Customs tariff number	85362010
Country of origin	DE

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Technical data

Product properties

Product type	Thermomagnetic device circuit breakers
Product family	TMC
Number of positions	3
Number of connections	4
Number of rows	2
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Fuse type	Automatic device
Maximum load current	1 A (for 6 mm ² conductor cross-section - main contact)
	1 A (for 6 mm ² conductor cross-section - auxiliary contact)
Rated surge voltage	4 kV
Switching capacity I _{CN}	400 A for nominal currents 0.2 - 5 A
	800 A for nominal currents 6 - 16 A

General

Fuse	M1 (normal blow)
Contact switching type	1 N/O contact
	2 N/C contacts

Connection data

Maximum load current	1 A (for 6 mm ² conductor cross-section - main contact)
	1 A (for 6 mm ² conductor cross-section - auxiliary contact)

Main contact

Connection method	Screw connection
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 ² ... 6 mm ²
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
2 conductors with same cross section, rigid	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible, with ferrule	0.25 mm ² ... 1 mm ²

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without plastic sleeve	
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Nominal current	8 A
Nominal voltage	250 V AC
	65 V DC

Auxiliary contact

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	12 mm
Internal cylindrical gage	A1
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Cross section AWG	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 1.5 mm ²
2 conductors with same cross section, rigid	0.2 m ² ... 0.75 m ²
2 conductors with same cross section, flexible	0.2 m ² ... 0.75 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 0.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 0.75 mm ²
Nominal current	8 A
Nominal voltage	250 V AC
	65 V DC

Dimensions

Dimensional drawing	
Width	37.5 mm
Height	82.5 mm
Depth	96 mm

Material specifications

Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA-F

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Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C
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Mounting

Mounting type	DIN rail: 35 mm
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Drawings

Dimensional drawing



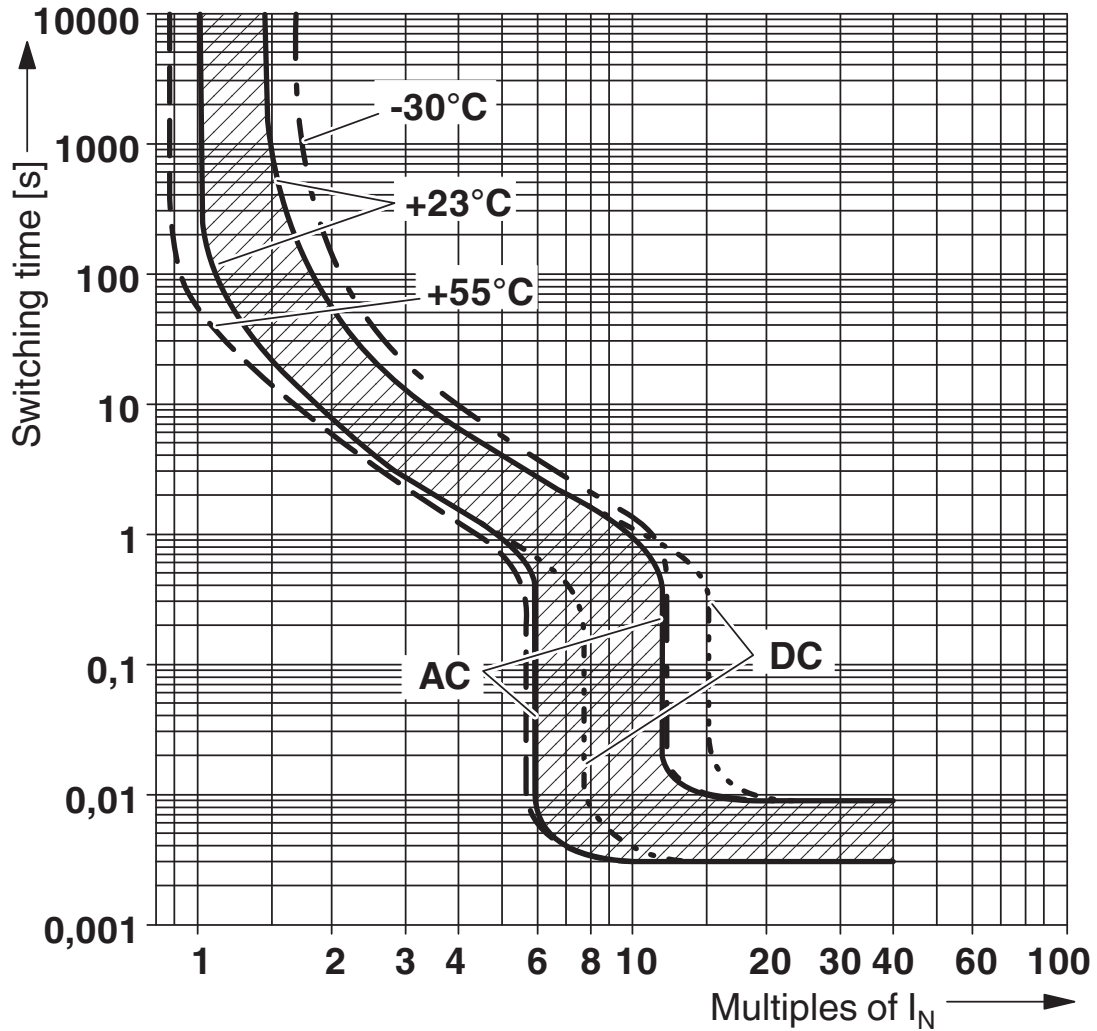
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Diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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