

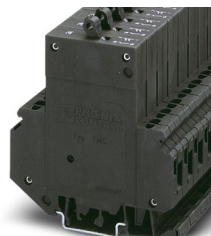
# TMC 3 M1 122 5,0A - Thermal-magnetic device circuit breaker



0915399

<https://www.phoenixcontact.com/us/products/0915399>

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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	0915399
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CLA121
GTIN	4017918010072
Weight per piece (including packing)	200 g
Weight per piece (excluding packing)	200 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 <sup>2</sup> conductor cross-section - main contact)
	1 A (for 6 mm <sup>2</sup> conductor cross-section - auxiliary contact)
Rated surge voltage	4 kV
Switching capacity I <sub>CN</sub>	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 <sup>2</sup> conductor cross-section - main contact)
	1 A (for 6 mm <sup>2</sup> 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 <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> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, rigid	0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>

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without plastic sleeve	
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Nominal current	5 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 <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, rigid	0.2 m <sup>2</sup> ... 0.75 m <sup>2</sup>
2 conductors with same cross section, flexible	0.2 m <sup>2</sup> ... 0.75 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Nominal current	5 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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