

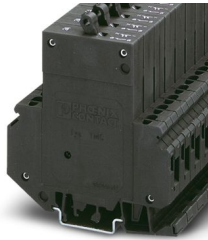
TMC 3 M1 122 8,0A - Thermal-magnetic device circuit breaker



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 |
|-----------------|----|

Environmental and real-life conditions

Ambient conditions

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

Mounting

| | |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

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Drawings

Dimensional drawing



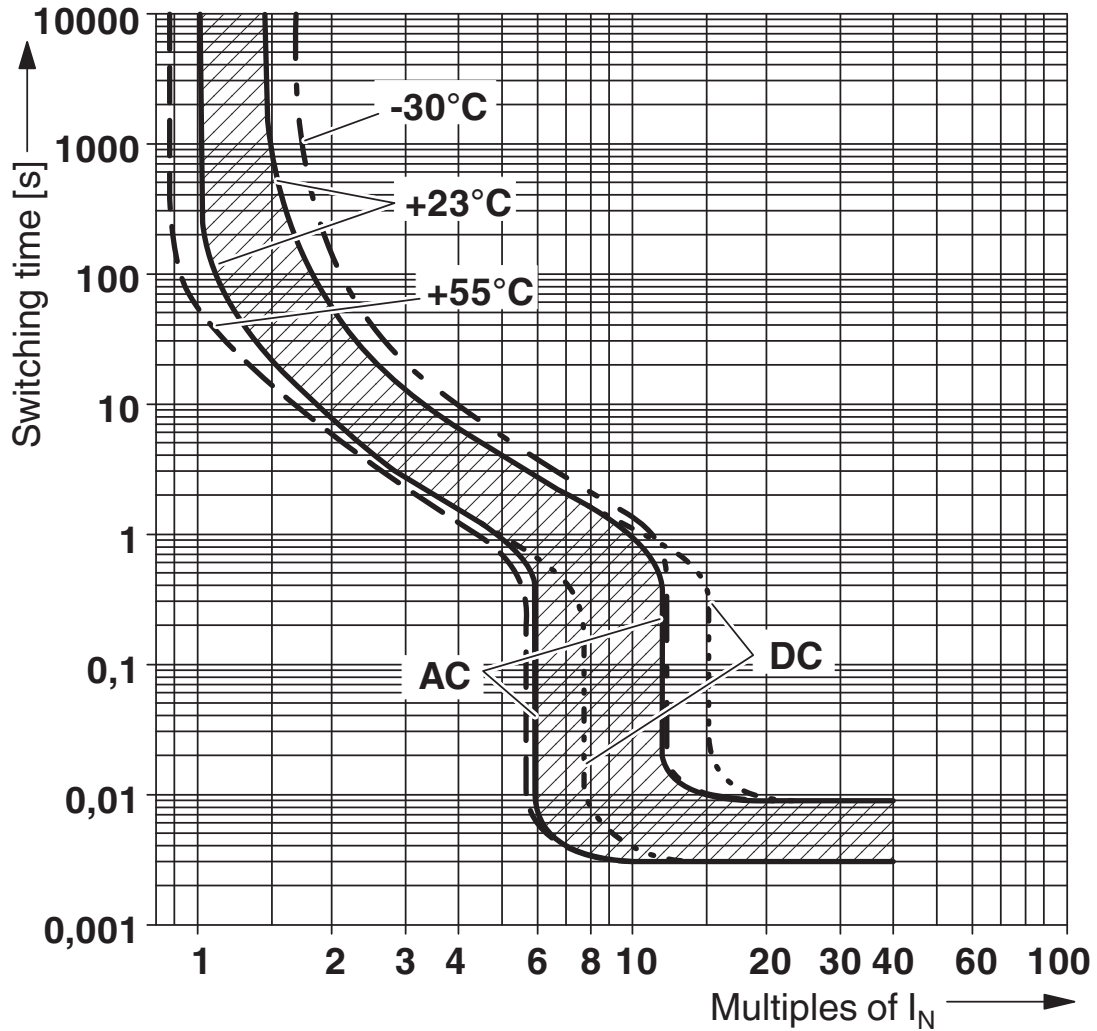
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Diagram



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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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