

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 0915030 |
| Packing unit | 3 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL04 |
| Product key | CLA121 |
| GTIN | 4017918009717 |
| Weight per piece (including packing) | 124.67 g |
| Weight per piece (excluding packing) | 124.24 g |
| Customs tariff number | 85362010 |
| Country of origin | DE |

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Technical data

Product properties

| | |
|-----------------------|--|
| Product type | Thermomagnetic device circuit breakers |
| Product family | TMC |
| Type | DIN rail module, one-piece |
| Number of positions | 2 |
| Number of connections | 4 |
| Number of rows | 2 |
| No. of channels | 1 |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 2 |

Electrical properties

| | |
|-----------|------------------|
| Fuse type | Automatic device |
|-----------|------------------|

General

| | |
|---|---------------------------------------|
| Rated voltage | 250 V AC (3 AC 433 V) |
| | 65 V DC |
| Rated current I_N | 5 A |
| Rated surge voltage | 2.5 kV |
| Insulation resistance R_{iso} | > 100 M Ω (500 V DC) |
| Auxiliary circuit | 240 V AC / 1 A (Low-induction) |
| | 65 V AC / 1 A (Low-induction) |
| Tripping method | TM (thermal-magnetic) |
| Device resistance | 0.063 Ω |
| Rated short-circuit switching capacity I_{cn} | 400 A |
| | 2500 A (32 V DC) |
| Short-circuit switching capacity | 5000 A (UL 1077: 277/480 V) |
| | 2000 A (UL 1077: 65 V DC) |
| Dielectric strength | 3000 V AC (Actuation area) |
| | 3000 V AC (Main to auxiliary circuit) |
| | 1500 V AC (Position to position) |
| Switching cycles, max. | 10000 (At $1 \times I_N$, inductive) |
| Fuse | M1 (normal blow) |
| Contact switching type | 1 N/O contact |
| | 1 N/C contact |

Indicator/remote signaling

| | |
|-------------------|------------------------|
| Connection name | Auxiliary contact |
| Operating voltage | 240 V AC |
| | 65 V DC |
| Operating current | 5 A AC (Low-induction) |

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Connection data

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 without plastic sleeve | 0.25 mm ² ... 1 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 2.5 mm ² |
| 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 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 | 5 A |
| Nominal voltage | 250 V AC |
| | 65 V DC |

Main contact

| | |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

| | |
|---|---|
| Screw thread | M3 |
| Tightening torque | 0.6 Nm ... 0.8 Nm |
| Stripping length | 12 mm |
| Conductor cross-section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section rigid | 0.2 mm ² ... 6 mm ² |
| Conductor cross-section AWG | 24 ... 10 |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible, with ferrule, with plastic sleeve | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section, flexible, with ferrule, without plastic sleeve | 0.25 mm ² ... 4 mm ² |

Auxiliary contact

| | |
|---|--|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.6 Nm ... 0.8 Nm |
| Stripping length | 12 mm |
| Conductor cross-section flexible | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 14 |
| Conductor cross-section, flexible, with ferrule, with plastic sleeve | 0.25 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible, with ferrule, without plastic sleeve | 0.25 mm ² ... 2.5 mm ² |

Dimensions

| | |
|--------|---------|
| Width | 25 mm |
| Height | 82.5 mm |
| Depth | 96 mm |

Material specifications

| | |
|--|------------------|
| Color | black (RAL 9005) |
| Flammability rating according to UL 94 | V-2 |
| Insulating material group | II |
| Insulating material | PA66 |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|---|
| Degree of protection | IP30 (Actuation area) IP20 (Connection area) |
| Ambient temperature (operation) | -30 °C ... 60 °C |
| Humidity test | 240 h, 95 % RH, 40 °C |

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Standards and regulations

| | |
|--------------------------|----------|
| Standards/specifications | EN 60934 |
| Standards/specifications | UL 1077 |

Mounting

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

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker

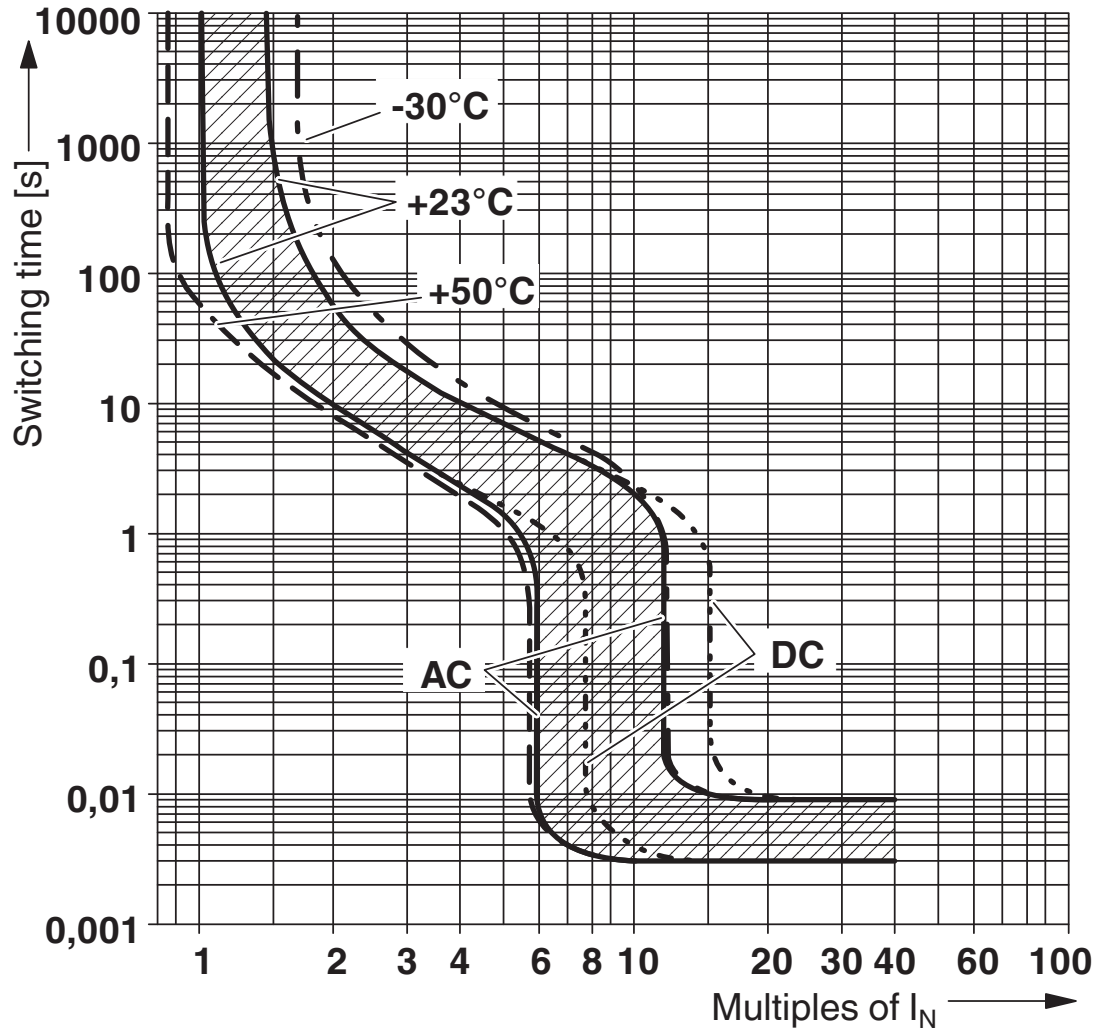


0915030

<https://www.phoenixcontact.com/us/products/0915030>

Drawings

Diagram



TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0915030>



CSA

Approval ID: 074317



UL Recognized

Approval ID: FILE E 140459



VDE Zeichengenehmigung

Approval ID: 40029348

UAE-RoHS

Approval ID: 23-10-88787

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27140401 |
| ECLASS-15.0 | 27140401 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003538 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

TMC 2 M1 120 5,0A - Thermal-magnetic device circuit breaker



0915030

<https://www.phoenixcontact.com/us/products/0915030>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-25 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | ac3f7cef-aa71-4392-ad2b-3724970decf6 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 6.917 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com