

# TMC 1 M3 100 3A - Thermal-magnetic device circuit breaker



0915483

<https://www.phoenixcontact.com/us/products/0915483>

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, 1-pos., normal blow, 1 N/O contact, with universal foot for mounting on NS 32 or NS 35

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 0915483                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | CLA121                         |
| GTIN                                 | 4017918249564                  |
| Weight per piece (including packing) | 67.85 g                        |
| Weight per piece (excluding packing) | 67.85 g                        |
| Country of origin                    | DE                             |

# TMC 1 M3 100 3A - Thermal-magnetic device circuit breaker



0915483

<https://www.phoenixcontact.com/us/products/0915483>

## Technical data

### Product properties

|                       |  |
|-----------------------|--|
| Product type          | Thermomagnetic device circuit breakers |
| Product family        | TMC                                    |
| Type                  | DIN rail module, one-piece             |
| Number of positions   | 1                                      |
| Number of connections | 4                                      |
| Number of rows        | 2                                      |

### Insulation characteristics

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

### Electrical properties

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

### General

|   |                                       |
|---|---------------------------------------|
| Rated voltage                                   | 250 V AC                              |
|   | 65 V DC                               |
| Rated current $I_N$                             | 3 A                                   |
| Rated surge voltage                             | 2.5 kV                                |
| Insulation resistance $R_{iso}$                 | > 100 M $\Omega$ (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                               | 0.057 $\Omega$                        |
| Rated short-circuit switching capacity $I_{cn}$ | 400 A                                 |
|   | 2500 A (32 V DC)                      |
| Short-circuit switching capacity                | 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) |
| Switching cycles, max.                          | 10000 (At $1 \times I_N$ , inductive) |
| Fuse  | M1 (normal blow)                      |
| Contact switching type                          | 1 N/O contact                         |

### 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               |

# TMC 1 M3 100 3A - Thermal-magnetic device circuit breaker



0915483

<https://www.phoenixcontact.com/us/products/0915483>

|   |  |
|---|--|
| Connection in acc. with standard  | IEC / EN                                     |
| 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 without plastic sleeve       | 0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>   |
| 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   | 3 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   |
| Connection in acc. with standard  | IEC / EN                                     |
| 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   | 3 A  |
| Nominal voltage   | 250 V AC                                     |
|   | 65 V DC                                      |

## Dimensions

|        |         |
|--------|---------|
| Width  | 12.5 mm |
| Height | 82.5 mm |
| Depth  | 96 mm   |

## Material specifications

|  |     |
|--|-----|
| Flammability rating according to UL 94 | V-2 |
| Insulating material group              | II  |

# TMC 1 M3 100 3A - Thermal-magnetic device circuit breaker



0915483

<https://www.phoenixcontact.com/us/products/0915483>

|                     |      |
|---------------------|------|
| Insulating material | PA66 |
|---------------------|------|

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

|                                  |                      |
|----------------------------------|----------------------|
| Connection in acc. with standard | IEC / EN<br>IEC / EN |
| Standards/specifications         | EN 60934             |
| Standards/specifications         | UL 1077              |

## Mounting

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

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](mailto:info@phoenixcon.com)