

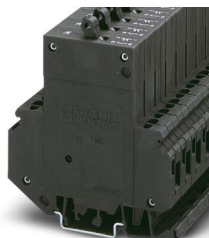
# TMC 3 M1 122 0,8A - Thermal-magnetic device circuit breaker



0915328

<https://www.phoenixcontact.com/us/products/0915328>

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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                          | 0915328                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | NULL                           |
| Product key                          | CLA121                         |
| GTIN                                 | 4017918010003                  |
| Weight per piece (including packing) | 192.93 g                       |
| Weight per piece (excluding packing) | 192.93 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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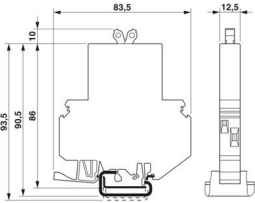
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|   |   |
|---|---|
| without plastic sleeve  |   |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Nominal current   | 0.8 A                                       |
| 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 <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   | 0.8 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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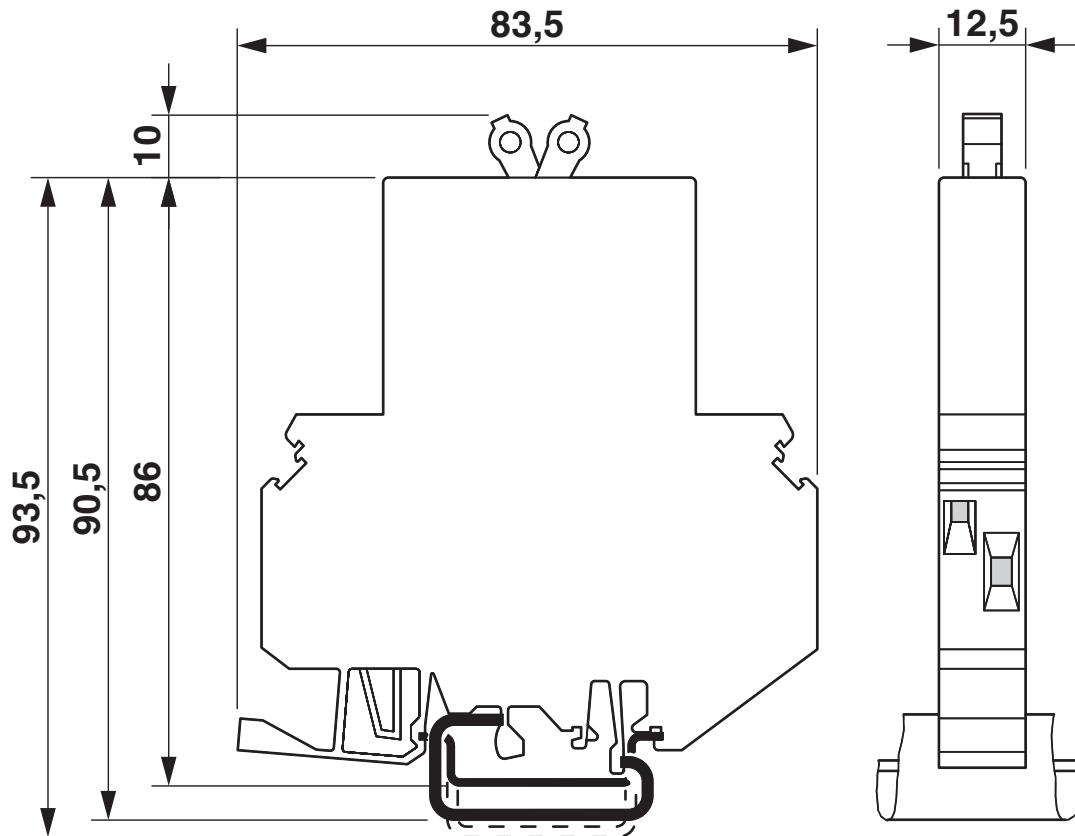


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## Drawings

Dimensional drawing



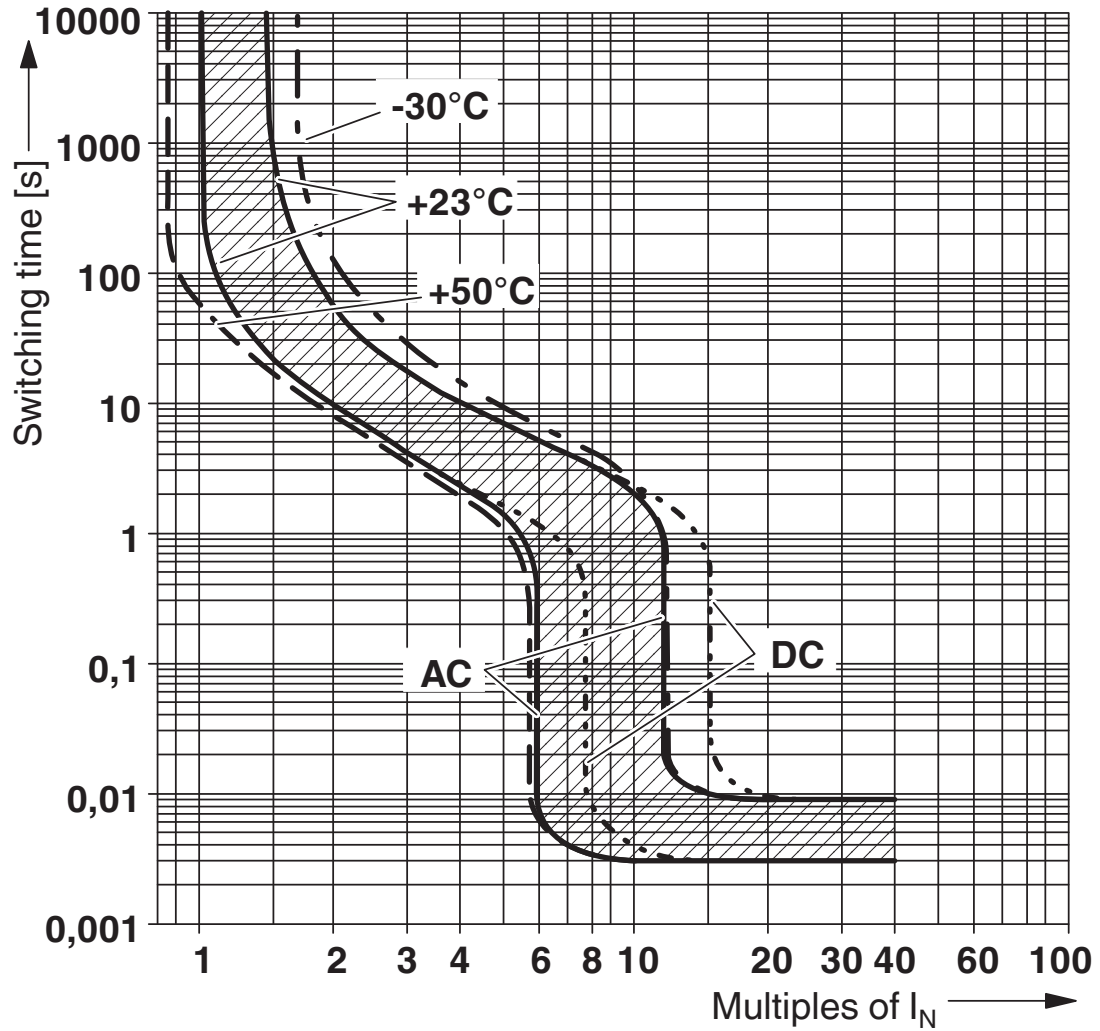
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Diagram



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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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