

## Thermomagnetic device circuit breaker - TMC 1 M1 200 10,0A - 0914701

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

The illustration shows version TMC 1  
F1 100 1A



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 66.66 GRM |
| Custom tariff number                 | 85362010  |
| Country of origin                    | Germany   |

### Technical data

#### General

|                                         |                 |
|-----------------------------------------|-----------------|
| Number of levels                        | 2               |
| Number of connections                   | 4               |
| Mounting type                           | DIN rail: 35 mm |
| Color                                   | black           |
| Number of positions                     | 1               |
| Surge voltage category                  | II              |
| Insulating material                     | PA66            |
| Inflammability class according to UL 94 | V-2             |

#### Electrical data

|                     |                  |
|---------------------|------------------|
| Fuse type           | Automatic device |
| Rated surge voltage | 2.5 kV           |
| Rated voltage       | 250 V AC         |
|                     | 65 V DC          |
| Rated current $I_N$ | 10 A             |

# Thermomagnetic device circuit breaker - TMC 1 M1 200 10,0A - 0914701

## Technical data

### Electrical data

|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Insulation resistance $R_{iso}$                 | > 100 M $\Omega$ (500 V DC)           |
| Rated short-circuit switching capacity $I_{cn}$ | 800 A                                 |
|                                                 | 2500 A (32 V DC)                      |
| Short-circuit switching capacity $I_k$          | 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) |
| Cycles, max.                                    | 10000 (At 1 x $I_n$ , inductive)      |
| Pollution degree                                | 2                                     |
| Surge voltage category                          | II                                    |
| Insulating material group                       | II                                    |

### Dimensions

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

### Ambient conditions

|                                 |                        |
|---------------------------------|------------------------|
| Degree of protection            | IP30 (Actuation area)  |
|                                 | IP20 (Connection area) |
| Ambient temperature (operation) | -30 °C ... 60 °C       |

### Connection data

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                    | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                    | 6 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                 | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                | 24                   |
| Conductor cross section AWG/kcmil max                                                 | 10                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.            | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.            | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.               | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |

# Thermomagnetic device circuit breaker - TMC 1 M1 200 10,0A - 0914701

## Technical data

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup> |
| Connection method                                                                       | Screw connection    |
| Stripping length                                                                        | 12 mm               |
| Internal cylindrical gage                                                               | A3                  |
| Screw thread                                                                            | M3                  |
| Tightening torque, min                                                                  | 0.6 Nm              |
| Tightening torque max                                                                   | 0.8 Nm              |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141116 |
| eCl@ss 4.1 | 27141116 |
| eCl@ss 5.0 | 27141116 |
| eCl@ss 5.1 | 27141116 |
| eCl@ss 6.0 | 27141116 |
| eCl@ss 7.0 | 27141116 |
| eCl@ss 8.0 | 27141116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000899 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211812 |
| UNSPSC 7.0901 | 39121411 |
| UNSPSC 11     | 39121411 |
| UNSPSC 12.01  | 39121411 |

## Thermomagnetic device circuit breaker - TMC 1 M1 200 10,0A - 0914701

### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121411 |
|-------------|----------|

### Approvals

#### Approvals

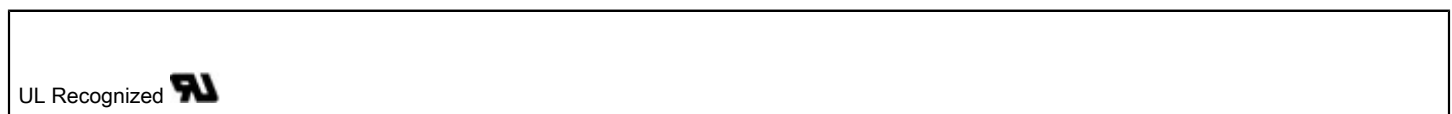
#### Approvals

CSA / UL Recognized / VDE Zeichengenehmigung / GOST

#### Ex Approvals

#### Approvals submitted

#### Approval details



### Drawings

## Thermomagnetic device circuit breaker - TMC 1 M1 200 10,0A - 0914701

Diagram

