

TMCP 1 F1 300 6,0A - Thermomagnetic device circuit breaker



0915632

<https://www.phoenixcontact.com/us/products/0915632>

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Thermal-magnetic circuit breaker, 1-pos., fast blow, 1 N/O contact and 1 N/C contact

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 0915632                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | CL04                           |
| Product key                          | CLA123                         |
| Catalog page                         | Page 281 (CL-2002)             |
| GTIN                                 | 4017918600846                  |
| Weight per piece (including packing) | 52.3 g                         |
| Weight per piece (excluding packing) | 50.69 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      | TMCP                                   |
| Type                | Male                                   |
| Number of positions | 1                                      |

### Insulation characteristics

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

### Electrical properties

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

### General

|                                                 |                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Rated voltage                                   | 65 V DC                                                                                                                 |
| Rated current $I_N$                             | 6 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)<br>65 V AC / 1 A (Low-induction)                                                         |
| Tripping method                                 | TM (thermomagnetic)                                                                                                     |
| Device resistance                               | 0.054 $\Omega$                                                                                                          |
| Rated short-circuit switching capacity $I_{cn}$ | 2500 A (32 V DC)                                                                                                        |
| Short-circuit switching capacity                | 5000 A (UL 1077: 277 V AC)<br>2000 A (UL 1077: 65 V DC)                                                                 |
| Dielectric strength                             | 3000 V AC (Actuation area)<br>1500 V AC (Main to auxiliary circuit)<br>1000 V AC (Auxiliary circuit 11 - 12 to 23 - 24) |
| Switching cycles, max.                          | 10000 (At $1 \times I_N$ , inductive)                                                                                   |
| Fuse                                            | F1 (fast blow)                                                                                                          |

### Connection data

|                   |           |
|-------------------|-----------|
| Connection method | pluggable |
|-------------------|-----------|

### Dimensions

|                        |         |
|------------------------|---------|
| Width                  | 12.5 mm |
| Height                 | 50 mm   |
| Depth                  | 78.5 mm |
| Complete module width  | 38 mm   |
| Complete module height | 115 mm  |
| Complete module depth  | 121 mm  |

### Material specifications

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|                                        |      |
|----------------------------------------|------|
| 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)  |
|                                 | IP00 (Connection area) |
| Ambient temperature (operation) | -30 °C ... 60 °C       |
| Humidity test                   | 240 h, 95 % RH, 40 °C  |

## Standards and regulations

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

## Mounting

|               |                 |
|---------------|-----------------|
| Mounting type | on base element |
|---------------|-----------------|

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## Accessories

### TMCP SOCKET M - Box mounting base

0916589

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Modular socket element, 2-position, for holding two circuit breakers, each with a single position



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### TMCP CONNECT LR - End cover

0916592

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End cover



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