

TMCP 1 F1 300 3,0A - Thermal-magnetic device circuit breaker



0915603

<https://www.phoenixcontact.com/us/products/0915603>

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

The figure shows version TMCP 1 F1 300
2,0A

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 0915603 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | CL04 |
| Product key | CLA123 |
| GTIN | 4017918600815 |
| Weight per piece (including packing) | 53.35 g |
| Weight per piece (excluding packing) | 51.56 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 |
| Maximum power dissipation for nominal condition | ≤ 1.62 VA |

General

| | |
|---|---|
| Rated voltage | 65 V DC |
| Rated current I_N | 3 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 | 0.18 Ω |
| Rated short-circuit switching capacity I_{cn} | 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) 1500 V AC (Main to auxiliary circuit) 1000 V AC (Auxiliary circuit 11 - 12 to 23 - 24) |
| Switching cycles, max. | 10000 (At $1 \times I_n$, inductive) |
| Fuse | F1 (fast blow) |
| Contact switching type | 1 N/O contact 1 N/C contact |

Connection data

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

Dimensions

| | |
|--------|---------|
| Width | 12.5 mm |
| Height | 50 mm |

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| | |
|------------------------|---------|
| Depth | 78.5 mm |
| Complete module width | 38 mm |
| Complete module height | 115 mm |
| Complete module depth | 121 mm |

Material specifications

| | |
|--|------|
| 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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