

Thermal device circuit breaker - TCP 10/16A



1324402

<https://www.phoenixcontact.com/gb/products/1324402>

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Thermal miniature circuit breaker, can be plugged into PT 10-FSI/C Push-in fuse terminal block.



Your advantages

- Fast, replacement part-free recommissioning after an event with the reconnection options
- Easy to retrofit in existing systems with vehicle flat-type fuses with identical pin connector pattern
- System disconnection for maintenance actions via the integrated device switch

Commercial Data

| | |
|--------------------------------------|---------------|
| Item number | 1324402 |
| Packing unit | 18 pc |
| Minimum order quantity | 1 pc |
| Sales Key | CLA111 |
| Product Key | CLA111 |
| GTIN | 4063151614263 |
| Weight per Piece (including packing) | 13.166 g |
| Weight per Piece (excluding packing) | 13 g |
| Customs tariff number | 85362010 |
| Country of origin | ID |

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Technical Data

Product properties

| | |
|---------------------|---------------------------------|
| Type | Male |
| Product type | Thermal device circuit breakers |
| Number of positions | 1 |

Insulation characteristics

| | |
|----------------------|------------------------|
| Overvoltage category | II (Installation area) |
| | III (Actuation area) |
| Degree of pollution | 2 |

Electrical properties

| | |
|-----------|------------------|
| Fuse type | Automatic device |
| Fuse | Slow-blow |

General

| | |
|---|-------------------------------------|
| Rated voltage | 250 V AC |
| | 72 V DC |
| | 250 V (UL/CSA) |
| | 72 V (UL/CSA) |
| Rated current I_N | 16 A |
| Rated surge voltage | 2.5 kV |
| Insulation resistance R_{iso} | > 100 M Ω (500 V DC) |
| Tripping method | T (thermal) |
| Device resistance | 0 Ω |
| Rated short-circuit switching capacity I_{cn} | 200 A (250 V AC) |
| | 200 A (72 V DC) |
| Short-circuit switching capacity | 2000 A (250 V AC / UL 1077) |
| | 2000 A (72 V DC / UL 1077) |
| Dielectric strength | 3000 V AC (Actuation area) |
| | 1500 V AC (Installation area) |
| Switching cycles, max. | 6000 (At 1 x I_n , low-induction) |
| | 3000 (At 1 x I_n , inductive) |
| | 40 (at 6 x I_n , AC) |

Dimensions

| | |
|------------------|---------|
| Width | 8.2 mm |
| Height | 24.4 mm |
| Height NS 35/7,5 | 55 mm |
| Depth | 44.5 mm |

Material specifications

| | |
|-------|-------|
| Color | black |
|-------|-------|

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| | |
|--|------|
| Flammability rating according to UL 94 | V-0 |
| Insulating material group | IIIb |
| Insulating material | PPS |

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Degree of protection | IP40 (Actuation area) |
| | IP00 (Connection area) |
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |
| Altitude | ≤ 4000 m (amsl (above mean sea level)) |
| Humidity test | 240 h, 95 % RH, 40 °C |
| Shock (operation) | 25g (11 ms period, half-sine shock pulse, according to IEC 60068-2-27) |
| Vibration (operation) | ± 0.38 mm (10 ... 57 Hz) |
| | 5g (57 ... 500 Hz) |

Standards and regulations

| | |
|--------------------------|----------|
| Standards/specifications | EN 60934 |
|--------------------------|----------|

Mounting

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

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Approvals



cUL Recognized



UL Recognized



VDE Zeichengenehmigung

cULus Recognized

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27141116 |
| ECLASS-10.0.1 | 27141116 |
| ECLASS-11.0 | 27141116 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC000899 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Mandatory Accessories

Fuse modular terminal block

Fuse modular terminal block - PT 10-FSI/C - 1088498

<https://www.phoenixcontact.com/gb/products/1088498>



Fuse modular terminal block, fuse type: Flat, fuse type: C, nom. voltage: 400 V, nominal current: 30 A, connection method: Push-in connection, 1 level, Rated cross section: 10 mm², cross section: 0.5 mm²- 16 mm², mounting type: NS 35/7,5, NS 35/15, color: black

Accessories

Flat zack marker sheet

Flat zack marker sheet - ZBFM 5/WH:UNBEDRUCKT - 0803595

<https://www.phoenixcontact.com/gb/products/0803595>



Flat zack marker sheet, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5 x 4.5 mm, Number of individual labels: 120

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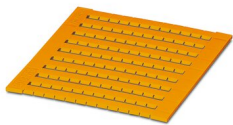
<https://www.phoenixcontact.com/gb/products/1324402>

Flat zack marker sheet

Flat zack marker sheet - ZBFM 5/OG:UNBEDRUCKT - 0807180

<https://www.phoenixcontact.com/gb/products/0807180>

Flat zack marker sheet, Sheet, orange, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap in, for terminal block width: 5.2 mm, lettering field size: 5 x 4.5 mm, Number of individual labels: 120



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