

TMC 72D 03A - Thermomagnetic device circuit breaker



1020062

<https://www.phoenixcontact.com/us/products/1020062>

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Thermomagnetic device circuit breaker, number of positions: 2, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: DIN rail: 35 mm

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1020062 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | CL09 |
| Product key | CLA126 |
| GTIN | 4055626509457 |
| Weight per piece (including packing) | 222.222 g |
| Weight per piece (excluding packing) | 222.222 g |
| Customs tariff number | 85362010 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|-------------------------|--|
| Product type | Thermomagnetic device circuit breakers |
| Product family | TMC 7 |
| Type | DIN rail module, one-piece |
| Number of positions | 2 |
| Mechanical service life | 20000 |

Electrical properties

| | |
|-------------------------|------|
| Service life electrical | 6000 |
|-------------------------|------|

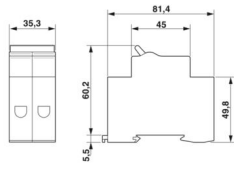
General

| | |
|---|---|
| Operating voltage | 277 V AC (277/480Y, 240D) 125 V DC (two poles in series) |
| Rated current I_N | 3 A |
| Tripping method | TM (thermomagnetic) |
| Rated short-circuit switching capacity I_{cn} | 5 kA (277/480Y, 240D) 7.5 kA (125 V DC, two poles in series) |
| Fuse | D (curve) |

Connection data

| | |
|---------------------------------------|--|
| Conductor cross section rigid | 1 mm ² ... 35 mm ² |
| Cross section AWG | 18 ... 2 (converted acc. to IEC) |
| Conductor cross section flexible | 1 mm ² ... 35 mm ² |
| Connection method | Screw connection |
| Tightening torque, min | 2 Nm |
| Stripping length | 11 mm ... 12 mm |
| Conductor cross section flexible max. | 35 mm ² |
| Conductor cross section, rigid max. | 35 mm ² |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 35.3 mm |
| Height | 84.3 mm |
| Depth | 76.6 mm (incl. DIN rail 7.5 mm) |

Material specifications

| | |
|-------|-----------------------|
| Color | light grey (RAL 7035) |
|-------|-----------------------|

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| | |
|--|-----------------|
| | gray (RAL 7042) |
|--|-----------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -35 °C ... 70 °C |
| Humidity test | 48 h, 95% RH, 40°C (IEC 60068-2-78) |
| Shock (operation) | 30g (11 ms) (IEC 60068-2-11, test Ea) |
| Vibration (operation) | ±0.38 mm (10-57 Hz), 5g (57...500 Hz) (Sinusoidal test to IEC 60068-2-6, Test Fc. 10 frequency cycles per axis) |

Standards and regulations

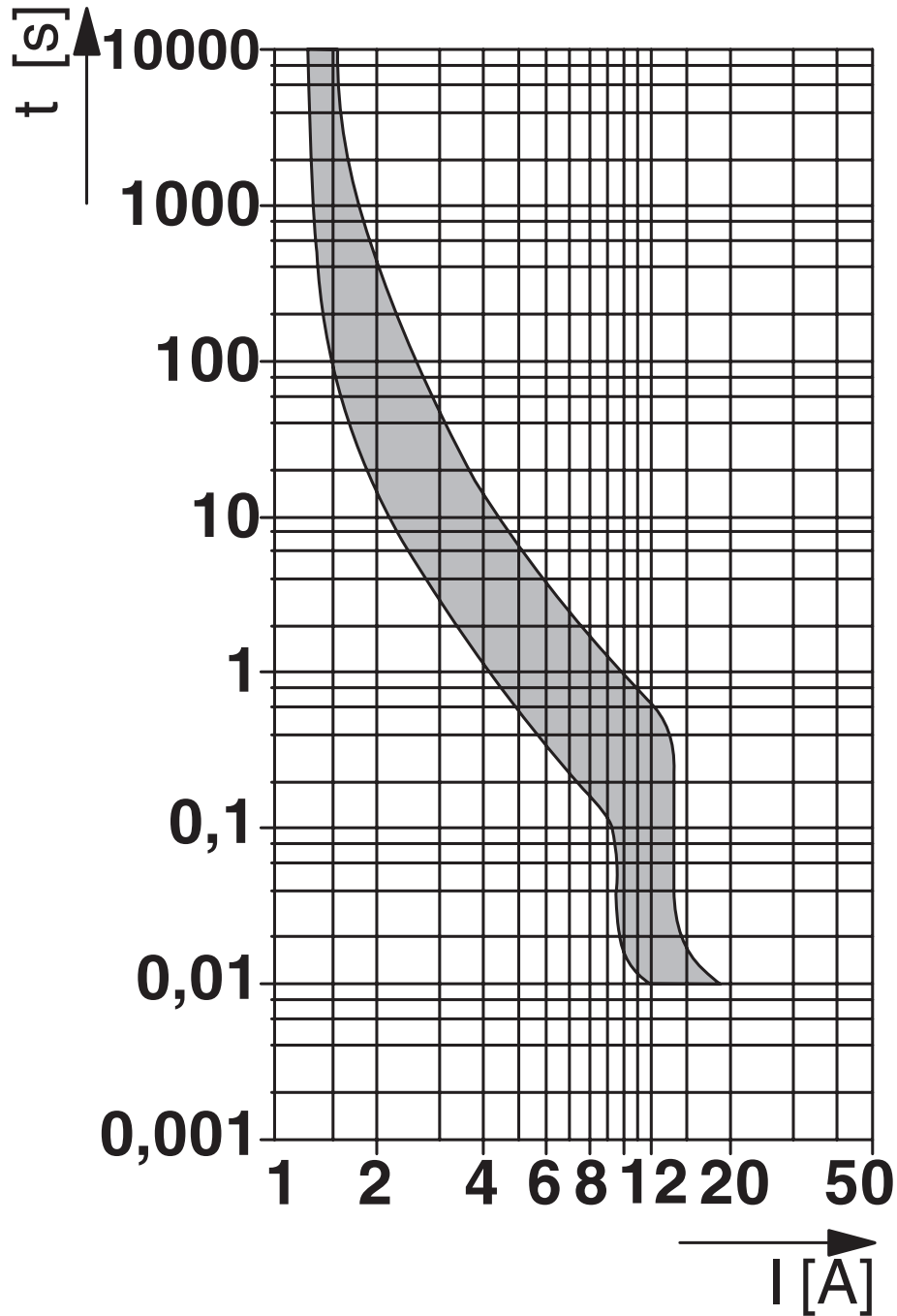
| | |
|--------------------------|-------------|
| Standards/specifications | UL 1077 |
| Standards/specifications | IEC 60947-2 |

Mounting

| | |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

Drawings

Diagram



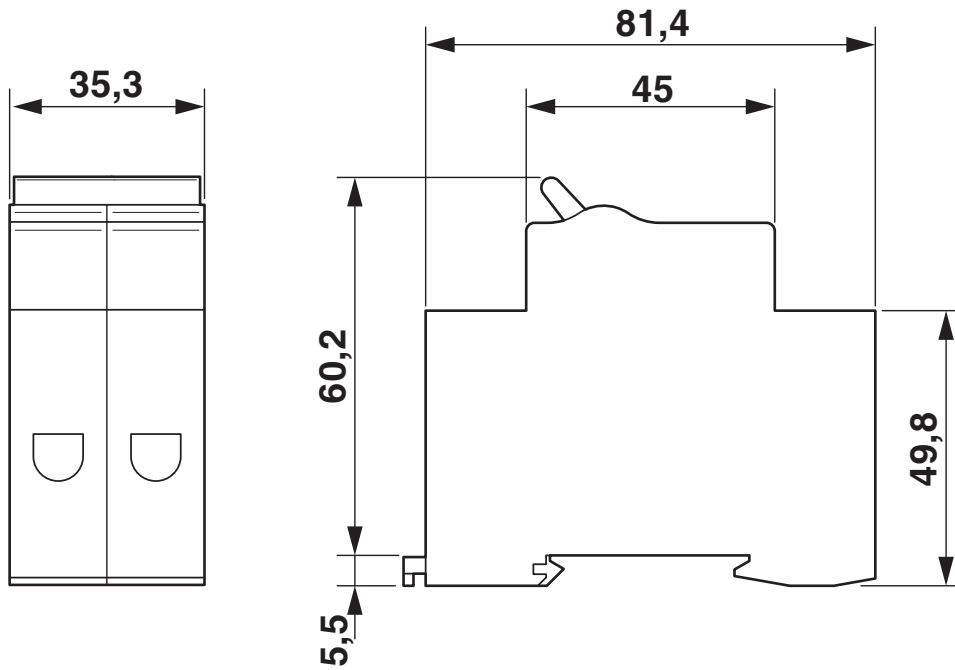
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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1020062>



cUL Recognized

Approval ID: FILE E 140459



UL Recognized

Approval ID: FILE E 140459



TÜV Rheinland

Approval ID: R 50531587

cULus Recognized

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141116 |
| ECLASS-12.0 | 27141116 |
| ECLASS-13.0 | 27140401 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121410 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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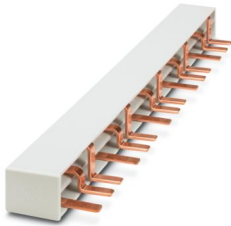
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Accessories

TMC 7 B2 80 56 C - Wiring bridge

1022236

<https://www.phoenixcontact.com/us/products/1022236>

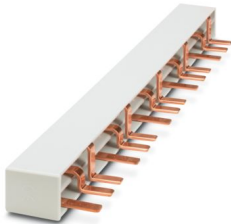


Bus bar for TMC 72... circuit breakers (two phase) 17.8 mm pitch, up to 56 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 1077 rated circuit breakers.

TMC 7 B2 80 46 CA - Wiring bridge

1022235

<https://www.phoenixcontact.com/us/products/1022235>



Bus bar for TMC 72... circuit breakers (two phase) 17.8 mm pitch, up to 46 positions. Rated for 80 A (end feed) 600 V AC/DC. UL 508 Listed for connection of UL 1077 rated circuit breakers.

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TMC 7 B2/3 TERM - Terminal adapter

1022232

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Feeder terminal adapter for TMC 72 or TMC 73 circuit breakers, two- or three-phase bus bars. Rated for 600 V AC/DC 115 A. Wire range 10...1/0 AWG. UL 508 Listed for connection to UL 1077 rated circuit breakers.

TMC 7 B2/3 END CAP - Wiring bridge end cover

1022229

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Protective end covers for TMC 7 multi-pole bus bars

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TMC 7 B BUS CAP - Protective cover

1022224

<https://www.phoenixcontact.com/us/products/1022224>



Protective covers for TMC 7 single-pole bus bars. Cuttable, five positions, yellow.

TMC 7/8 AUX - Thermomagnetic device circuit breaker

2908219

<https://www.phoenixcontact.com/us/products/2908219>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

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TMC 7/8 ALARM - Thermomagnetic device circuit breaker

2908220

<https://www.phoenixcontact.com/us/products/2908220>

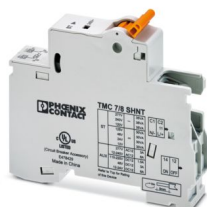


Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

TMC 7/8 12VDC SHNT - Thermomagnetic device circuit breaker

2908221

<https://www.phoenixcontact.com/us/products/2908221>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

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TMC 7/8 24VDC SHNT - Thermomagnetic device circuit breaker

2908222

<https://www.phoenixcontact.com/us/products/2908222>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

TMC 7/8 48VDC SHNT - Thermomagnetic device circuit breaker

2908224

<https://www.phoenixcontact.com/us/products/2908224>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

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TMC 7/8 125VDC SHNT - Thermomagnetic device circuit breaker

2908225

<https://www.phoenixcontact.com/us/products/2908225>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

TMC 7/8 120VAC SHNT - Thermomagnetic device circuit breaker

2908226

<https://www.phoenixcontact.com/us/products/2908226>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

TMC 72D 03A - Thermomagnetic device circuit breaker



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TMC 7/8 240VAC SHNT - Thermomagnetic device circuit breaker

2908227

<https://www.phoenixcontact.com/us/products/2908227>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

TMC 7/8 277VAC SHNT - Thermomagnetic device circuit breaker

2908228

<https://www.phoenixcontact.com/us/products/2908228>



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm²- 35 mm², AWG: 18 - 2, mounting type: Snaps on to side of circuit breaker

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EML (10X4)R - Label

0815583

<https://www.phoenixcontact.com/us/products/0815583>



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 10 x 4 mm, Number of individual labels: 10000

TML (104X3,8)R - Marker strip

0801833

<https://www.phoenixcontact.com/us/products/0801833>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

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SZK PZ2 VDE - Screwdriver

1206463

<https://www.phoenixcontact.com/us/products/1206463>



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

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