

TMC 62C 03A - Thermomagnetic device circuit breaker



0902195

<https://www.phoenixcontact.com/us/products/0902195>

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Thermomagnetic circuit breaker, two-pole, 3.0 A thermal trip. DIN rail mounted and UL 1077-recognized with optional auxiliary contact for either S or H remote signal. Protects wiring and equipment from overcurrent and short circuit faults.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 0902195 |
| Packing unit | 6 pc |
| Minimum order quantity | 6 pc |
| Note | Made to order (non-returnable) |
| Sales key | CL04 |
| Product key | CLA121 |
| GTIN | 4046356558037 |
| Weight per piece (including packing) | 275.4 g |
| Weight per piece (excluding packing) | 275.4 g |
| Customs tariff number | 85362010 |
| Country of origin | HU |

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Technical data

Product properties

| | |
|-------------------------|--|
| Product type | Thermomagnetic device circuit breakers |
| Product family | TMC |
| Number of positions | 2 |
| Mechanical service life | 20000 |

Electrical properties

| | |
|-------------------------|-------|
| Service life electrical | 10000 |
|-------------------------|-------|

General

| | |
|---|--|
| Operating voltage | 480 V AC (UL 1077) |
| | 240 V AC ($I_{cs} = 20 \text{ kA}$ (IEC 60947-2)) |
| | 440 V AC ($I_{cs} = 6 \text{ kA}$ (IEC 60947-2)) |
| | 125 V DC |
| | 12 V |
| Rated current I_N | 3 A |
| Tripping method | C |
| Rated short-circuit switching capacity I_{cn} | 10 kA (IC) |
| Fuse | circuit-breaker C |

Connection data

| | |
|---------------------------------------|---|
| Connection method | Biconnect terminal blocks |
| Tightening torque | 2.5 Nm ... 4.5 Nm (Torque can be application dependent with changes in temperature, vibration, and wire size. For additional assistance, contact Customer Service.) |
| Stripping length | 12 mm |
| Conductor cross section flexible min. | 1 mm ² |
| Conductor cross section flexible max. | 35 mm ² |

Dimensions

| | |
|--------|-------|
| Width | 36 mm |
| Height | 86 mm |

Material specifications

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -55 °C ... 55 °C |

Standards and regulations

UL 1077

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| | |
|--------------------------|-------------|
| Standards/specifications | CSA C22.2 |
| | IEC 60947-2 |

Mounting

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

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Classifications

UNSPSC

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

Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | <div>EFUP-25</div> <div>An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.</div> |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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