

TMC 61C 40A - Thermal-magnetic device circuit breaker



0902137

<https://www.phoenixcontact.com/us/products/0902137>

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Thermal-magnetic circuit breaker, one-pole, 40 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 | 0902137 |
| Packing unit | 12 pc |
| Minimum order quantity | 12 pc |
| Note | Made to order (non-returnable) |
| Sales key | CL04 |
| Product key | CLA121 |
| GTIN | 4046356557917 |
| Weight per piece (including packing) | 144.3 g |
| Weight per piece (excluding packing) | 125 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 | 1 |
| Mechanical service life | 20000 |

Electrical properties

| | |
|---|-------|
| Service life electrical | 10000 |
| Maximum current with single arrangement | 40 A |

General

| | |
|---|--|
| Operating voltage | 277 V AC (UL 1077) |
| | 240 V AC ($I_{CS} = 15 \text{ kA}$ (IEC 60947-2)) |
| | 415 V AC ($I_{CS} = 4 \text{ kA}$ (IEC 60947-2)) |
| | 60 V DC |
| | 12 V |
| Rated current I_N | 40 A |
| Tripping method | C |
| Rated short-circuit switching capacity I_{cn} | 10 kA (IC) |
| Fuse | circuit-breaker C |
| Contact switching type | none |

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 | 18 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 |

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Mounting

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

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Classifications

UNSPSC

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

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Environmental product compliance

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-25 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. |
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EU REACH SVHC

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

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