

TMC 82C 30A - Thermomagnetic device circuit breaker

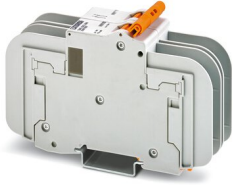


2907599

<https://www.phoenixcontact.com/in/products/2907599>

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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 | 2907599 |
| Packing unit | 1 pc |
| Minimum order quantity | 6 pc |
| Sales key | ***** |
| Product key | CLA125 |
| GTIN | 4055626215495 |
| Weight per piece (including packing) | 279.6 g |
| Weight per piece (excluding packing) | 220 g |
| Customs tariff number | 85362010 |
| Country of origin | CN |

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Technical data

Product properties

| | |
|-------------------------|--|
| Type | DIN rail module, one-piece |
| Product type | Thermomagnetic device circuit breakers |
| Product family | TMC 8 |
| Number of positions | 2 |
| Mechanical service life | 20000 |

Electrical properties

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

General

| | |
|---|---|
| Operating voltage | 240 V AC (277/480Y, 240D) 125 V DC (two poles in series) |
| Rated current I_N | 30 A |
| Tripping method | TM (thermomagnetic) |
| Rated short-circuit switching capacity I_{cn} | 10 kA (IC) |
| Fuse | C |

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 |
| Conductor cross section flexible max. | 35 mm ² |
| Conductor cross section, rigid max. | 35 mm ² |

Dimensions

| | |
|---------------------|---------|
| Dimensional drawing | |
| Width | 35.3 mm |
| Height | 116 mm |
| Depth | 65.7 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-------------------------------------|
| 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) |

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| | |
|-----------------------|---|
| Vibration (operation) | ±0.38 mm (10-57 Hz), 5g (57...500 Hz) (IEC 60068-2-6, Fc, sine) |
|-----------------------|---|

Standards and regulations

| | |
|--------------------------|-------------|
| Standards/specifications | UL 489 |
| | IEC 60947-2 |

Mounting

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

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