

## Thermomagnetic device circuit breaker - TMC 81B 03A - 2907480

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Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 17.6 mm, mounting type: DIN rail: 35 mm, Color: gray

RoHS

### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 STK    |
| Weight per Piece (excluding packing) | 1.000 g  |
| Custom tariff number                 | 85362010 |
| Country of origin                    | China    |

### Technical data

#### General

|                     |                 |
|---------------------|-----------------|
| Mounting type       | DIN rail: 35 mm |
| Color               | gray            |
| Number of positions | 1               |

#### Electrical data

|                                                        |            |
|--------------------------------------------------------|------------|
| Operating voltage                                      | 277 V AC   |
|                                                        | 60 V DC    |
| Rated current I <sub>N</sub>                           | 3 A        |
| Rated short-circuit switching capacity I <sub>cn</sub> | 10 kA (IC) |

#### Dimensions

|        |         |
|--------|---------|
| Height | 116 mm  |
| Width  | 17.6 mm |
| Depth  | 65.7 mm |

#### Ambient conditions

# Thermomagnetic device circuit breaker - TMC 81B 03A - 2907480

## Technical data

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -35 °C ... 70 °C |
|---------------------------------|------------------|

### Connection data

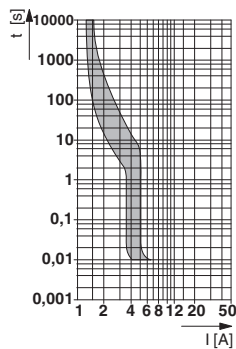
|                                       |        |
|---------------------------------------|--------|
| Conductor cross section solid min.    | 1 mm²  |
| Conductor cross section solid max.    | 35 mm² |
| Conductor cross section flexible min. | 1 mm²  |
| Conductor cross section flexible max. | 35 mm² |
| Conductor cross section AWG min.      | 18     |
| Conductor cross section AWG max.      | 2      |
| Connection method                     | Screw  |
| Tightening torque max                 | 2 Nm   |

### Standards and Regulations

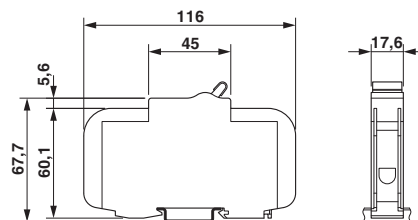
|                          |             |
|--------------------------|-------------|
| Standards/specifications | UL 489      |
|                          | IEC 60947-2 |

## Drawings

Diagram



Dimensional drawing



## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141116 |
| eCl@ss 4.1 | 27141116 |
| eCl@ss 5.0 | 27141116 |
| eCl@ss 5.1 | 27141116 |
| eCl@ss 6.0 | 27141116 |
| eCl@ss 7.0 | 27141116 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211812 |
| UNSPSC 7.0901 | 39121411 |
| UNSPSC 11     | 39121411 |
| UNSPSC 12.01  | 39121411 |
| UNSPSC 13.2   | 39121620 |

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

### Approval details

|           |                                                                                     |                                                                                                                                                       |               |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 320373 |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

|            |                                                                                     |                                                                                                                                                       |               |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 320373 |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

## Thermomagnetic device circuit breaker - TMC 81B 03A - 2907480

### Approvals

cULus Listed



### Accessories

#### Accessories

##### Bridge

Wiring bridge - TMC 8 B1 80 57 C - 2907991



Bus bar for TMC 81... circuit breakers

Wiring bridge - TMC 8 B1 80 37 CA - 2907992



Bus bar for TMC 81... circuit breakers with auxiliary contact module

Terminal adapter - TMC 8 B TERM PIN - 2907998



Wiring bridge end cover - TMC 8 B END CAP - 2907999



## Thermomagnetic device circuit breaker - TMC 81B 03A - 2907480

### Accessories

Wiring bridge end cover - TMC 8 B BUS CAP - 2908000



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Thermomagnetic device circuit breaker - TMC 7/8 AUX - 2908219



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker - TMC 7/8 ALARM - 2908220



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 9 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker - TMC 7/8 12VDC SHNT - 2908221



Thermomagnetic device circuit breaker, number of positions: 1, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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Thermomagnetic device circuit breaker - TMC 7/8 24VDC SHNT - 2908222



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

## Thermomagnetic device circuit breaker - TMC 81B 03A - 2907480

### Accessories

#### Thermomagnetic device circuit breaker - TMC 7/8 48VDC SHNT - 2908224



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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#### Thermomagnetic device circuit breaker - TMC 7/8 125VDC SHNT - 2908225



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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#### Thermomagnetic device circuit breaker - TMC 7/8 120VAC SHNT - 2908226



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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#### Thermomagnetic device circuit breaker - TMC 7/8 240VAC SHNT - 2908227



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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#### Thermomagnetic device circuit breaker - TMC 7/8 277VAC SHNT - 2908228



Thermomagnetic device circuit breaker, connection method: Screw, cross section: 1 mm<sup>2</sup>- 35 mm<sup>2</sup>, AWG: 18 - 2, width: 18 mm, mounting type: Snaps on to side of circuit breaker, Color: gray

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