

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Miniature Circuit Breaker, 3-position, use: Supplementary Protector (UL 1077), for protection against overcurrent up to a short-circuit current of 7.5 kA. Supplementary protector; OC; UG-EA,B,D., tripping characteristic: B, mounting type: NS 35/..., rated current: 25 A

## Product description

CCC marking on the product is only present on products purchased from Phoenix Contact China.

## Your advantages

- Can be used worldwide due to international approvals
- Suitable for various grid types, as it is available in 1-, 2-, 3-pos. versions
- Ideally coordinated protection due to various tripping characteristics and a wide selection of nominal currents
- Reduced inventory because of suitability for AC and DC applications
- Optional accessories enable remote control and monitoring



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1019965       |
| Packing unit                         | 4 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL09          |
| Product key                          | CLA126        |
| GTIN                                 | 4055626508528 |
| Weight per piece (including packing) | 344 g         |
| Weight per piece (excluding packing) | 351 g         |
| Customs tariff number                | 85362010      |

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

|                   |    |
|-------------------|----|
| Country of origin | CN |
|-------------------|----|

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

## Technical data

### Product properties

|                         |   |
|-------------------------|---|
| Product type            | Circuit breakers  |
| Product family          | TMC 7   |
| Type                    | DIN rail module, one-piece  |
| Number of positions     | 3   |
| Mechanical service life | 20000   |
| Special properties      | Supplementary Protector (UL 1077), for protection against overcurrent up to a short-circuit current of 7.5 kA. Supplementary protector; OC; UG- EA,B,D. |

### Electrical properties

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

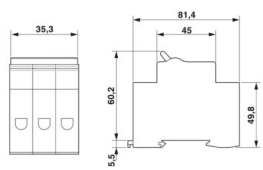
### General

|   |                           |
|---|---------------------------|
| Operating voltage                               | 277 V AC (277/480Y, 240D) |
| Rated current $I_N$                             | 25 A                      |
| Tripping method                                 | TM (thermal-magnetic)     |
| Rated short-circuit switching capacity $I_{cn}$ | 7.5 kA (277/480Y, 240D)   |
| Fuse  | B                         |
| Contact switching type                          | none                      |

### Connection data

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

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 52.9 mm  |
| Height              | 84.3 mm  |

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

|       |                                 |
|-------|---------------------------------|
| Depth | 76.6 mm (incl. DIN rail 7.5 mm) |
|-------|---------------------------------|

## Material specifications

|  |                       |
|--|-----------------------|
| Color                                  | light gray (RAL 7035) |
|  | orange (RAL 2003)     |
| Flammability rating according to UL 94 | V-0                   |

## 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 Hz ... 57 Hz), 5g (57 Hz ... 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 | NS 35/... |
|---------------|-----------|

# TMC 73B 25A - Miniature Circuit Breaker

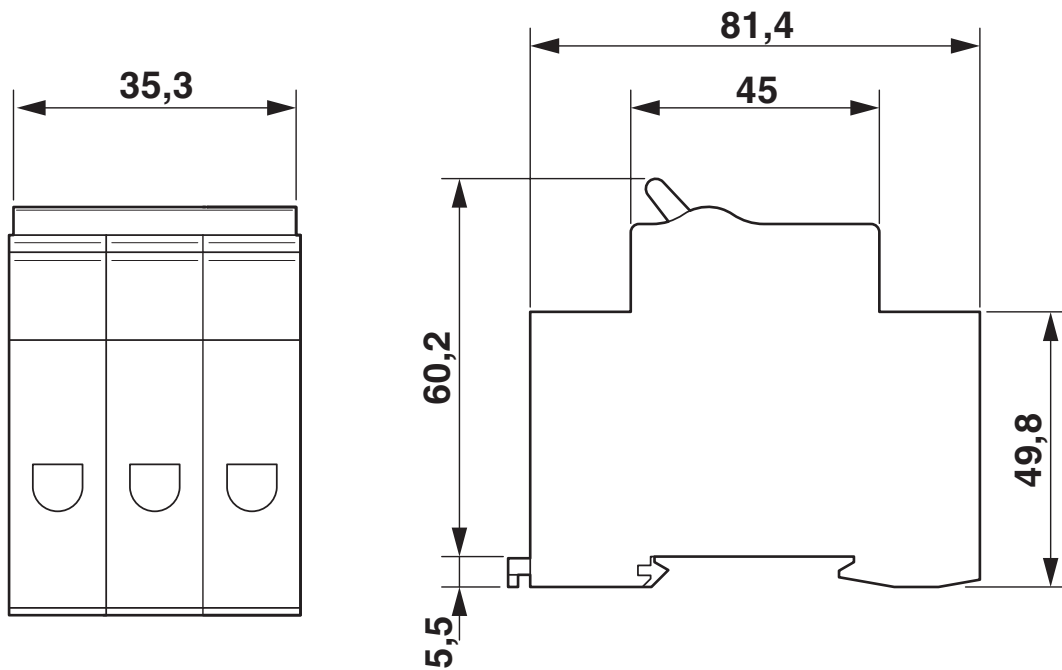


1019965

<https://www.phoenixcontact.com/us/products/1019965>

## Drawings

Dimensional drawing



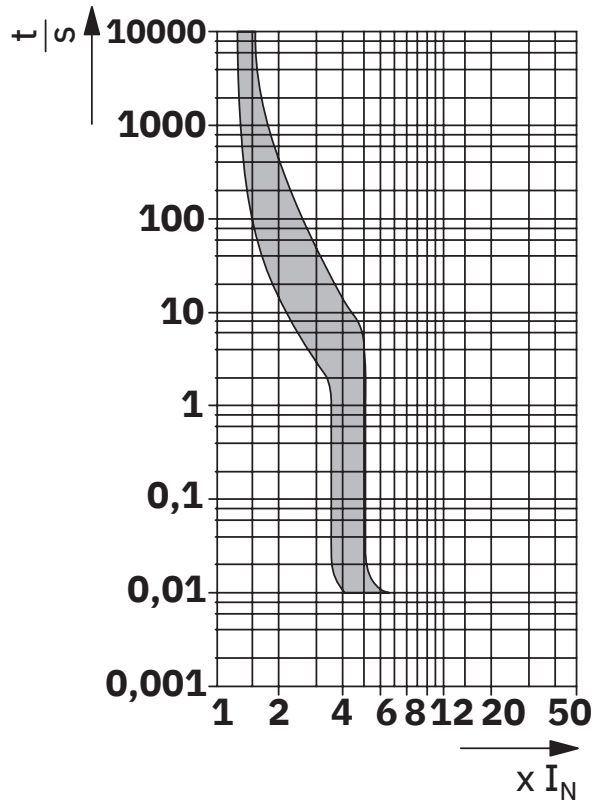
# TMC 73B 25A - Miniature Circuit Breaker

1019965

<https://www.phoenixcontact.com/us/products/1019965>



Diagram



# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1019965>



**cUL Recognized**  
Approval ID: FILE E 140459



**UL Recognized**  
Approval ID: FILE E 140459



**TÜV Rheinland**  
Approval ID: R 50531587



**CCC**  
Approval ID: 2024010307673885

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27140401 |
| ECLASS-15.0 | 27140401 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003538 |
|-----------|----------|

### UNSPSC

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

# TMC 73B 25A - Miniature Circuit Breaker



1019965

<https://www.phoenixcontact.com/us/products/1019965>

## 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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 5.147 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)