

# ME 45 OT-MSTBO BK - Upper housing part



2854623

<https://www.phoenixcontact.com/us/products/2854623>

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DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: black (similar RAL 9005)



## Your advantages

- Tool-free mounting
- Available in overall widths from 12.5 mm ... 90 mm, modular extension is possible
- Flammability rating V0 in accordance with UL 94
- Variety of connection technology
- Can be mounted on the DIN rail
- With integrated or DIN-rail-mountable bus connector as an option

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2854623       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC08          |
| Product key                          | ACHAAD        |
| GTIN                                 | 4017918483876 |
| Weight per piece (including packing) | 25.242 g      |
| Weight per piece (excluding packing) | 19.63 g       |
| Customs tariff number                | 85389099      |
| Country of origin                    | DE            |

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## Technical data


### Notes

|               |   |
|---------------|---|
| Assembly note | Please observe the application note in the download area. |
|---------------|---|

### Product properties

|                                   |   |
|-----------------------------------|---|
| Product type                      | Upper housing part  |
| Housing type                      | DIN rail housing  |
| Housing series                    | ME  |
| Product family                    | ME 45..   |
| Number of positions               | 32<br>64  |
| Max. number of positions          | 40 (pitch: 3.5 mm)<br>32 (pitch: 5 mm)<br>24 (pitch: 7.25 mm) |
| Number of rows                    | 2   |
| Number (Connection openings)      | 8   |
| Ventilation openings present      | no  |
| Anzahl der Etagen Housing (Makro) | 2 (Both sides)  |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Width                           | 45.2 mm  |
| Height                          | 99 mm  |
| Depth                           | 45.85 mm   |
| Depth from base support surface | 38.5 mm  |

### PCB design

|               |                   |
|---------------|-------------------|
| PCB thickness | 1.4 mm ... 1.8 mm |
|---------------|-------------------|

### Material specifications

|  |                  |
|--|------------------|
| Color (Upper housing part)             | black (RAL 9005) |
| Material Upper housing part            | PA               |
| Flammability rating according to UL 94 | V0               |
| CTI according to IEC 60112             | 600              |

### Environmental and real-life conditions

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## Vibration test

|                        |                             |
|------------------------|-----------------------------|
| Specification          | IEC 60068-2-6:2007-12       |
| Frequency              | 10 - 150 - 10 Hz            |
| Sweep speed            | 1 octave/min                |
| Amplitude              | 0.15 mm (10 Hz ... 58.1 Hz) |
| Acceleration           | 2g (58.1 Hz ... 150 Hz)     |
| Test duration per axis | 2.5 h                       |
| Test directions        | X-, Y- and Z-axis           |

## Glow-wire test

|                  |                        |
|------------------|------------------------|
| Specification    | IEC 60695-2-11:2014-02 |
| Temperature      | 850 °C                 |
| Time of exposure | 30 s                   |

## Thermal stability / ball thrust test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature   | 125 °C                 |
| Test duration | 1 h                    |
| Force         | 20 N                   |

## Mechanical strength / tumbling barrel

|                |                     |
|----------------|---------------------|
| Specification  | IEC 60998-1:2002-12 |
| Height of fall | 50 cm               |
| Frequency      | 10                  |

## Shocks

|                                |                                   |
|--------------------------------|-----------------------------------|
| Specification                  | IEC 60068-2-27:2008-02            |
| Pulse shape                    | Half-sine                         |
| Acceleration                   | 15g                               |
| Shock duration                 | 11 ms                             |
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |

## Degree of protection (IP code)

|               |   |
|---------------|---|
| Specification | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
|---------------|---|

## Ambient conditions

|   |  |
|---|--|
| Max. IP code to attain                  | IP20   |
| Ambient temperature (operation)         | -40 °C ... 105 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                   |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                   |
| Relative humidity (storage/transport)   | 80 %   |

## PCB data

|                       |      |
|-----------------------|------|
| Number of PCB holders | 2    |
| Type of PCB mount     | Slot |

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|                      |                   |
|----------------------|-------------------|
| Thickness of the PCB | 1.4 mm ... 1.8 mm |
|----------------------|-------------------|

## Mounting

|               |                                  |
|---------------|----------------------------------|
| Mounting type | Latching with lower housing part |
|---------------|----------------------------------|

## Packaging specifications

|                      |                     |
|----------------------|---------------------|
| Type of packaging    | packed in cardboard |
| Outer packaging type | Carton              |

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## Drawings

Dimensional drawing



Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2854623>



**UL Recognized**

Approval ID: E240868

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190603 |
| ECLASS-15.0 | 27190603 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002779 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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## 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 | 0.16 kg CO2e |
|---------|--------------|

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