

ME 45 UT BUS/5 KMGY - Mounting base housing



2201854

<https://www.phoenixcontact.com/us/products/2201854>

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 mm, height: 99 mm, depth: 107.3 mm, color: light grey (similar RAL 7035), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

Your advantages

- Tool-free mounting
- Available in overall widths from 12.5 mm to 90 mm, modular extension 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 | 2201854 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ACHAAB |
| GTIN | 4046356990639 |
| Weight per piece (including packing) | 73.63 g |
| Weight per piece (excluding packing) | 58.554 g |
| Country of origin | DE |

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Technical data

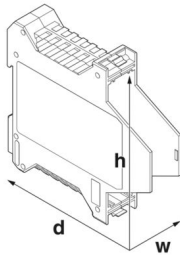
Notes

| | |
|---------|---|
| General | Refer to the data sheet for the range in the download area. |
| General | Material of contact pads for bus connector, galvanic gold (hard gold) |

Product properties

| | |
|------------------------------|--|
| Type | Lower housing parts with vents, housing cover necessary to complete the module |
| Product type | Enclosure bottom part |
| Housing series | ME |
| Product family | ME UT BUS |
| Type | Lower housing part with metal foot catch, tall design |
| Housing type | DIN rail housing |
| Ventilation openings present | yes |

Dimensions

| | |
|--|-------------------|
| Dimensional drawing | |
|  | |
| Width | 45.2 mm |
| Height | 99 mm |
| Depth | 107.3 mm |
| Depth from top edge of DIN rail | 100.7 mm |
| Depth from top edge of DIN rail to support point on upper part | 68.5 mm |
| PCB design | |
| PCB thickness | 1.4 mm ... 1.8 mm |

Material specifications

| | |
|--|-----------------------|
| Color (Housing) | light grey (RAL 7035) |
| Flammability rating according to UL 94 | V0 |
| CTI according to IEC 60112 | 600 |
| Surface characteristics | untreated |
| Housing material | Polyamide |

Environmental and real-life conditions

Power dissipation single housing for 20 °C

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| | |
|---------------------|----------|
| Ambient temperature | 20 °C |
| Reduction factor | 1 |
| Mounting position | vertical |
| Power dissipation | 8.2 W |

Power dissipation single housing for 30 °C

| | |
|---------------------|----------|
| Ambient temperature | 30 °C |
| Reduction factor | 0.91 |
| Mounting position | vertical |
| Power dissipation | 7.5 W |

Power dissipation single housing for 40 °C

| | |
|---------------------|----------|
| Ambient temperature | 40 °C |
| Reduction factor | 0.81 |
| Mounting position | vertical |
| Power dissipation | 6.6 W |

Power dissipation single housing for 50 °C

| | |
|---------------------|----------|
| Ambient temperature | 50 °C |
| Reduction factor | 0.7 |
| Mounting position | vertical |
| Power dissipation | 5.7 W |

Power dissipation single housing for 60 °C

| | |
|---------------------|----------|
| Ambient temperature | 60 °C |
| Reduction factor | 0.57 |
| Mounting position | vertical |
| Power dissipation | 4.7 W |

Power dissipation single housing for 70 °C

| | |
|---------------------|----------|
| Ambient temperature | 70 °C |
| Reduction factor | 0.49 |
| Mounting position | vertical |
| Power dissipation | 4 W |

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 |

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| | |
|------------------|------|
| 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 | Insertion (optional latching by PCB stop) |
| Thickness of the PCB | 1.4 mm ... 1.8 mm |

Mounting

| | |
|-------------------|--------------------------------|
| Mounting type | DIN rail mounting |
| Mounting position | Vertical (horizontal DIN rail) |

Packaging specifications

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27182702 |
| ECLASS-13.0 | 27190601 |

ETIM

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|----------|----------|
| ETIM 9.0 | EC001031 |
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UNSPSC

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

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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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