

# ME 90 UT TBUS KMGY - Mounting base housing



2200545

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 90.4 mm, height: 99 mm, depth: 107.3 mm, color: light grey (similar RAL 7035), cross connection: DIN rail connector (optional), number of positions cross connector: 5

## 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                          | 2200545                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 10 pc                          |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AC08                           |
| Product key                          | ACHAAC                         |
| Catalog page                         | Page 669 (C-1-2013)            |
| GTIN                                 | 4046356608107                  |
| Weight per piece (including packing) | 95.93 g                        |
| Weight per piece (excluding packing) | 94 g                           |
| Customs tariff number                | 85389099                       |
| Country of origin                    | DE                             |

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## Technical data

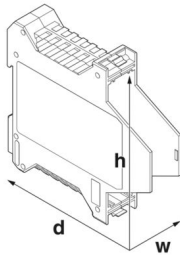
### Notes

|         |   |
|---------|---|
| 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 TBUS  |
| Type                         | Lower housing part with metal foot catch, tall design                          |
| Housing type                 | DIN rail housing   |
| Ventilation openings present | yes  |

### Dimensions

|  |  |  |
|--|--|--|
| Dimensional drawing  |  |  |
| Width  |  | 90.4 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   | 10.4 W   |

## Power dissipation single housing for 30 °C

|                     |          |
|---------------------|----------|
| Ambient temperature | 30 °C    |
| Reduction factor    | 0.91     |
| Mounting position   | vertical |
| Power dissipation   | 9.5 W    |

## Power dissipation single housing for 40 °C

|                     |          |
|---------------------|----------|
| Ambient temperature | 40 °C    |
| Reduction factor    | 0.81     |
| Mounting position   | vertical |
| Power dissipation   | 8.4 W    |

## Power dissipation single housing for 50 °C

|                     |          |
|---------------------|----------|
| Ambient temperature | 50 °C    |
| Reduction factor    | 0.7      |
| Mounting position   | vertical |
| Power dissipation   | 7.3 W    |

## Power dissipation single housing for 60 °C

|                     |          |
|---------------------|----------|
| Ambient temperature | 60 °C    |
| Reduction factor    | 0.57     |
| Mounting position   | vertical |
| Power dissipation   | 5.9 W    |

## Power dissipation single housing for 70 °C

|                     |          |
|---------------------|----------|
| Ambient temperature | 70 °C    |
| Reduction factor    | 0.49     |
| Mounting position   | vertical |
| Power dissipation   | 5.1 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 | 4   |
| 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

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

### UNSPSC

|             |          |
|-------------|----------|
| 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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