

# ME 45 UT BUS/10 KMGY - Mounting base housing



2200259

<https://www.phoenixcontact.com/us/products/2200259>

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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 gray (similar RAL 7035), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

## 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                          | 2200259                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 10 pc                          |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AC08                           |
| Product key                          | ACHAAB                         |
| GTIN                                 | 4046356546201                  |
| Weight per piece (including packing) | 81.15 g                        |
| Weight per piece (excluding packing) | 81.15 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

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

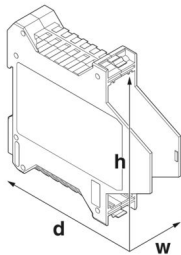
### Product properties

|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| Product type                 | Enclosure bottom part                                                          |
| Housing type                 | DIN rail housing                                                               |
| Housing series               | ME                                                                             |
| Product family               | ME 45..                                                                        |
| Type                         | Lower housing parts with vents, housing cover necessary to complete the module |
| Max. number of positions     | 0)                                                                             |
| Type                         | Lower housing part with metal foot catch, tall design                          |
| Ventilation openings present | yes                                                                            |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 05 |
|------------------|----|

### 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 gray (RAL 7035) |
| Flammability rating according to UL 94 | V0                    |
| CTI according to IEC 60112             | 600                   |
| Housing material                       | Polyamide             |
| Surface characteristics                | untreated             |

## Environmental and real-life conditions

## Power dissipation single housing for 20 °C

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

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

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

## 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/2200259>

| cUL Recognized<br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|---------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                 | 300 V                 | 8 A                   | -                 | -                           |
|                                             |                       |                       |                   |                             |
| Use group D                                 | 300 V                 | 8 A                   | -                 | -                           |
|                                             |                       |                       |                   |                             |

| UL Recognized<br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|--------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                            | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                | 300 V                 | 8 A                   | -                 | -                           |
|                                            |                       |                       |                   |                             |
| Use group D                                | 300 V                 | 8 A                   | -                 | -                           |
|                                            |                       |                       |                   |                             |

| cULus Recognized |  |  |  |  |
|------------------|--|--|--|--|
|------------------|--|--|--|--|

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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

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| 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%               |

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## Mandatory accessories

### ME 45 OT-FKDSO KMGY - Upper housing part

2200327

<https://www.phoenixcontact.com/us/products/2200327>



DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

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### ME 45 OT-MSTBO KMGY - Upper housing part

2854429

<https://www.phoenixcontact.com/us/products/2854429>



DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

# ME 45 UT BUS/10 KMGY - Mounting base housing



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## ME 45 OT-MKDSO KMGY - Upper housing part

2853255

<https://www.phoenixcontact.com/us/products/2853255>



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

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## ME 22,5 OT-MSTBO KMGY - Upper housing part

2907761

<https://www.phoenixcontact.com/us/products/2907761>



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

# ME 45 UT BUS/10 KMGY - Mounting base housing



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<https://www.phoenixcontact.com/us/products/2200259>

## ME 22,5 OT-FKDSO KMGY - Upper housing part

2200323

<https://www.phoenixcontact.com/us/products/2200323>



DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

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## ME 22,5 OT-MKDSO KMGY - Upper housing part

2908469

<https://www.phoenixcontact.com/us/products/2908469>



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

# ME 45 UT BUS/10 KMGY - Mounting base housing

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## ME 22,5 OTU-MKDSO KMGY - Upper housing part

2278953

<https://www.phoenixcontact.com/us/products/2278953>



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

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## ME 22,5 OT-1MSTBO KMGY - Upper housing part

2914877

<https://www.phoenixcontact.com/us/products/2914877>



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

# ME 45 UT BUS/10 KMGY - Mounting base housing

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<https://www.phoenixcontact.com/us/products/2200259>



## ME 22,5 OT-3MSTBO KMGY - Upper housing part

2914880

<https://www.phoenixcontact.com/us/products/2914880>



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: light gray (similar RAL 7035)

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## ME 22,5 OTP-MSTBO PS KMGY - Upper housing part

2279282

<https://www.phoenixcontact.com/us/products/2279282>



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light gray (similar RAL 7035)

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## Accessories

# ME 45 UT BUS/10 KMGY - Mounting base housing



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<https://www.phoenixcontact.com/us/products/2200259>

## ME LPZS - PCB stop

2906911

<https://www.phoenixcontact.com/us/products/2906911>



DIN rail housing, after approx. 4 cm, the ME LPZS PCB pull-out stop prevents the PCB from being removed completely and locks the PCB in place

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## MCVR 1,5/10-ST-3,81 KMGY AU - PCB connector

1936186

<https://www.phoenixcontact.com/us/products/1936186>



PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Au, contact connection type: Socket, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: MCVR 1,5/...-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 90 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

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## ME B-KA KMGY - Cover

2706302

<https://www.phoenixcontact.com/us/products/2706302>



Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS terminal opening, (male side)

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## ME B-SA/NS 35 KMGY - Cover

2706700

<https://www.phoenixcontact.com/us/products/2706700>



Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS male side, (female side)

# ME 45 UT BUS/10 KMGY - Mounting base housing

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<https://www.phoenixcontact.com/us/products/2200259>



## ME DH 27 NS 35 KMGY - Spacer

2706289

<https://www.phoenixcontact.com/us/products/2706289>

Spacer, for protecting the input and output contacts for NS 35 DIN rails



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## ME DH 36 NS 35 KMGY - Spacer

2706292

<https://www.phoenixcontact.com/us/products/2706292>

Spacers, for protection of the input or output contacts for DIN rail NS 35, width [B] 36 mm



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## EML (44X64)R-ME - Label for ME ... UT ... BUS ... housing

0828266

<https://www.phoenixcontact.com/us/products/0828266>



Label for ME ... UT ... BUS ... housing, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 44 x 64 mm, Number of individual labels: 200

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