

# ME 17,5 UT/FE BUS/ 5+2 GN - Mounting base housing



2854186

<https://www.phoenixcontact.com/us/products/2854186>

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RAIL



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial 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                          | 2854186                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AC08                           |
| Product key                          | ACHAAB                         |
| GTIN                                 | 4017918190200                  |
| Weight per piece (including packing) | 47.13 g                        |
| Weight per piece (excluding packing) | 37.82 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                |   |
|----------------|---|
| Assembly note  | Please observe the application note in the download area.             |
| Recommendation | Material of contact pads for bus connector, galvanic gold (hard gold) |

### Product properties

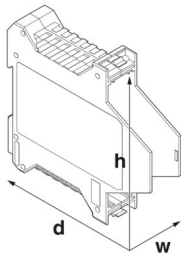
|                              |  |
|------------------------------|--|
| Product type                 | Lower housing part   |
| Housing type                 | DIN rail housing   |
| Housing series               | ME   |
| Type                         | Lower housing parts with vents, housing cover necessary to complete the module |
| Ventilation openings present | yes  |

### Electrical properties

#### Properties

|                             |                         |
|-----------------------------|-------------------------|
| Nominal current $I_N$       | 8 A (parallel contacts) |
| Rated voltage (III/3)       | 50 V                    |
| Rated surge voltage (III/3) | 1.5 kV                  |
| Rated voltage (III/2)       | 150 V                   |
| Rated surge voltage (III/2) | 2.5 kV                  |
| Rated voltage (II/2)        | 300 V                   |
| Rated surge voltage (II/2)  | 2.5 kV                  |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Pitch               | 3.81 mm  |
| Width [w]           | 17.6 mm  |
| Height [h]          | 99 mm  |

#### PCB design

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

### Material specifications

#### Material data - contact

|                  |          |
|------------------|----------|
| Contact material | Cu alloy |
|------------------|----------|

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|                         |             |
|-------------------------|-------------|
| Surface characteristics | gold-plated |
|-------------------------|-------------|

## Material data - housing

|  |              |
|--|--------------|
| Color (Housing)                        | green (6021) |
| Insulating material                    | PA           |
| Insulating material group              | I            |
| CTI according to IEC 60112             | 600          |
| Flammability rating according to UL 94 | V0           |

## Connector

### Connection 1

|                            |     |
|----------------------------|-----|
| Insulating material        | PA  |
| CTI according to IEC 60112 | 600 |

## Electrical tests

### Air clearances and creepage distances |

|  |                     |
|--|---------------------|
| Specification  | IEC 60664-1:2007-04 |
| Insulating material group                              | I                   |
| Rated insulation voltage (III/3)                       | 50 V                |
| Rated surge voltage (III/3)                            | 1.5 kV              |
| minimum clearance value - non-homogenous field (III/3) | 0.8 mm              |
| minimum creepage distance (III/3)                      | 1.6 mm              |
| Rated insulation voltage (III/2)                       | 150 V               |
| Rated surge voltage (III/2)                            | 2.5 kV              |
| minimum clearance value - non-homogenous field (III/2) | 1.5 mm              |
| minimum creepage distance (III/2)                      | 0.8 mm              |
| Rated insulation voltage (II/2)                        | 300 V               |
| Rated surge voltage (II/2)                             | 2.5 kV              |
| minimum clearance value - non-homogenous field (II/2)  | 1.5 mm              |
| minimum creepage distance (II/2)                       | 1.5 mm              |

## Environmental and real-life conditions

### Ambient conditions

|   |   |
|---|---|
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                    |
| Relative humidity (storage/transport)   | 30 % ... 70 %                                       |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                    |
| Ambient temperature (operation)         | -40 °C ... 105 °C (dependent on the derating curve) |

### Ambient conditions

|   |   |
|---|---|
| Max. IP code to attain                  | IP20  |
| Ambient temperature (operation)         | -40 °C ... 105 °C (dependent on the derating curve) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                    |
| Relative humidity (storage/transport)   | 30 % ... 70 %                                       |
| Ambient temperature (assembly)          | -5 °C ... 100 °C                                    |

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|                                       |      |
|---------------------------------------|------|
| Relative humidity (storage/transport) | 80 % |
|---------------------------------------|------|

## PCB data

|                       |   |
|-----------------------|---|
| Number of PCB holders | 1   |
| 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              |

## 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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## Classifications

### ECLASS

ECLASS-13.0

27190601

### ETIM

ETIM 9.0

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

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