# ME MAX 22,5 SF G 2-2 KMGY - Electronics housing

2869362

https://www.phoenixcontact.com/us/products/2869362

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DIN rail housing, Complete housing with metal foot catch, ultra-flat design, without vents, width: 22.6 mm, height: 85 mm, depth: 69.55 mm, color: light gray (similar RAL 7035), cross connection: DIN rail bus connector (optional), number of positions cross connector: 5

## Your advantages

- Easy installation
- Available in overall widths from 6.2 mm ... 90 mm, modular extension possible
- Variety of connection technology
- Can be mounted on the DIN rail
- With DIN-rail-mountable bus connector and power connector system as an option
- Transparent front cover can be swiveled

## Commercial data

| | |
|---|---|
| Item number | 2869362 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AC08 |
| Product key | ACHABA |
| GTIN | 4017918975098 |
| Weight per piece (including packing) | 37.4 g |
| Weight per piece (excluding packing) | 29.285 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

# Technical data

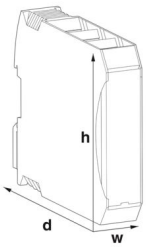
## Notes

| | |
|---|---|
| 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 | Complete housing |
| Housing type | DIN rail housing |
| Housing type | Modular housings |
| Housing series | ME-MAX |
| Product family | ME MAX 22,5.. |
| Max. number of positions | 20 (pitch: 3.5 mm) |
| | 16 (pitch: 5 mm) |
| | 12 (pitch: 7.25 mm/7.5 mm) |
| Number of rows | 2 |
| | 2 |
| Number (Connection openings) | 4 |
| Ventilation openings present | no |
| Anzahl der Etagen Housing (Makro) | 2 (Both sides) |

## Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 22.6 mm |
| Height | 85 mm |
| Depth | 69.55 mm |
| Depth from top edge of DIN rail | 62.9 mm |

### PCB design

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

## Material specifications

| | |
|---|---|
| Color (Housing) | light gray (RAL 7035) |
| Material Housing | PA |
| Flammability rating according to UL 94 | V0 |
| CTI according to IEC 60112 | 600 |

## Environmental and real-life conditions

Power dissipation single housing for 20 °C

| | |
|---|---|
| Ambient temperature | 20 °C |
| Reduction factor | 1 |
| Mounting position | vertical |
| Power dissipation | 4.9 W |

Power dissipation single housing for 30 °C

| | |
|---|---|
| Ambient temperature | 30 °C |
| Reduction factor | 0.91 |
| Mounting position | vertical |
| Power dissipation | 4.45 W |

Power dissipation single housing for 40 °C

| | |
|---|---|
| Ambient temperature | 40 °C |
| Reduction factor | 0.81 |
| Mounting position | vertical |
| Power dissipation | 4 W |

Power dissipation single housing for 50 °C

| | |
|---|---|
| Ambient temperature | 50 °C |
| Reduction factor | 0.7 |
| Mounting position | vertical |
| Power dissipation | 3.4 W |

Power dissipation single housing for 60 °C

| | |
|---|---|
| Ambient temperature | 60 °C |
| Reduction factor | 0.57 |
| Mounting position | vertical |
| Power dissipation | 2.8 W |

Power dissipation single housing for 70 °C

| | |
|---|---|
| Ambient temperature | 70 °C |
| Reduction factor | 0.49 |
| Mounting position | vertical |
| Power dissipation | 2.8 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 |

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 | 1 |
| Type of PCB mount | Latching |
| Thickness of the PCB | 1.4 mm ... 1.8 mm |

## Mounting

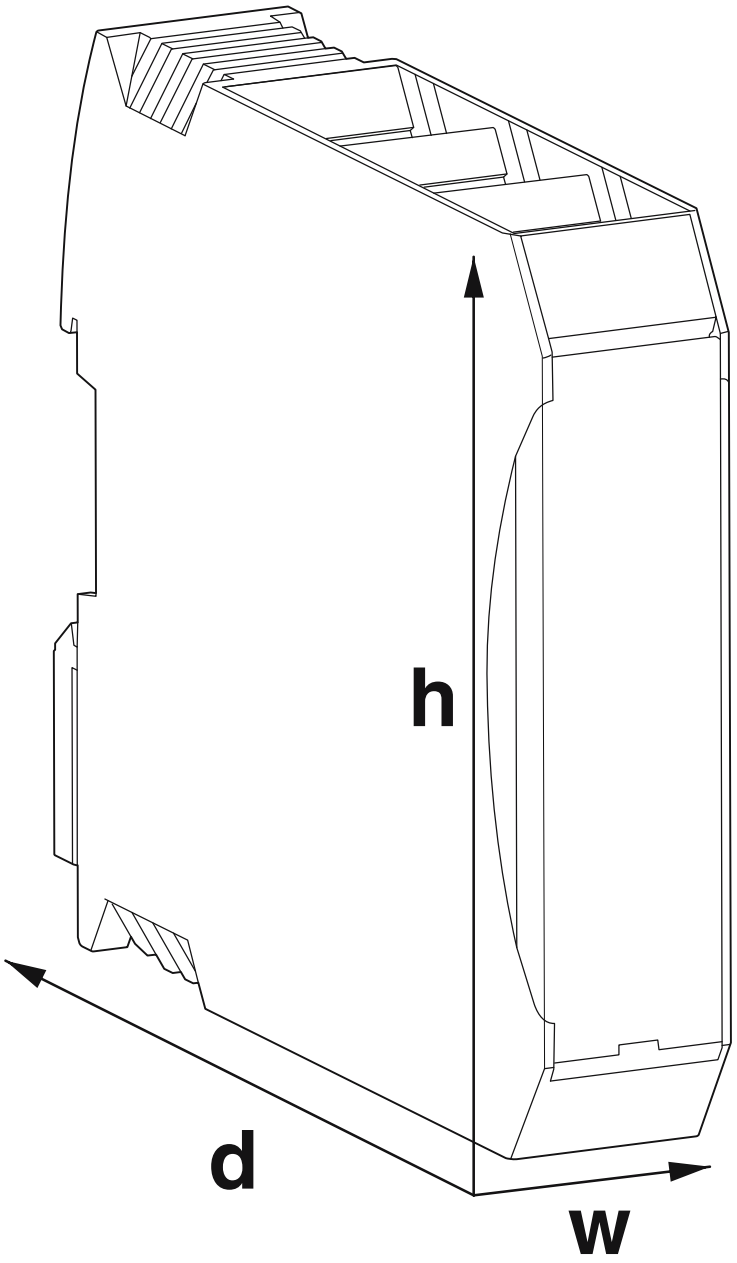
| | |
|---|---|
| Mounting type | DIN rail mounting |

## 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.

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2869362

**UL Recognized**
Approval ID: E240868

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27190101 |
| ECLASS-15.0 | 27190101 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001031 |

### UNSPSC

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

## 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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