

# ME MAX 22,5-KIT-3-3-7035+6MSTBT4 - Housing set



1342903

<https://www.phoenixcontact.com/us/products/1342903>

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DIN rail housing, for mounting on a DIN rail, color: light gray (similar RAL 7035), width: 22.5 mm, height: 99 mm, depth: 113.65 mm, incl. 6 PCB connectors, 4-pos., screw connection, for 2.5 mm<sup>2</sup>, nominal current: 12 A, 320 V, PCB surface: 6800 mm<sup>2</sup>

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1342903       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AC08          |
| Product key                          | ACHABK        |
| GTIN                                 | 4063151656874 |
| Weight per piece (including packing) | 131 g         |
| Weight per piece (excluding packing) | 131 g         |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Set consists of

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

2713625

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DIN rail housing, Complete housing with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 113.65 mm, color: light gray (similar RAL 7035), cross connection: DIN rail bus connector (optional), number of positions cross connector: 5

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### ME BUS FE CONTACT - Functional ground contact

2278076

<https://www.phoenixcontact.com/us/products/2278076>



DIN rail housing, FE contact, width: 5 mm, height: 15.25 mm, depth: 9.5 mm

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## MSTBO 2,5/ 4-G1L KMGY - PCB header

2907774

<https://www.phoenixcontact.com/us/products/2907774>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBO 2,5/...-G1L, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, Pin connector pattern alignment: Orthogonal, locking: without, type of packaging: packed in cardboard, Product with pin output on left side

## MSTBO 2,5/ 4-G1R KMGY - PCB header

2907787

<https://www.phoenixcontact.com/us/products/2907787>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of rows: 1, number of positions: 4, product range: MSTBO 2,5/...-G1R, mounting: Wave soldering, number of solder pins per potential: 1, Pin connector pattern alignment: Orthogonal, locking: without, Product with pin output on right side

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## MSTBT 2,5 HC/ 4-STP GY7035 - PCB connector

2200332

<https://www.phoenixcontact.com/us/products/2200332>



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light gray, nominal current: 16 A (see derating curve), rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBT 2,5 HC/...-STP, pitch: 5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5 advanced, locking: without, mounting method: without, type of packaging: packed in cardboard

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## Technical data

### Notes

|                |   |
|----------------|---|
| Assembly note  | Please observe the assembly instructions available in the download area.  |
| Recommendation | Material of contact pads for bus connector, galvanic gold (hard gold)   |
| General        | The PCB surface specification is for orientation purposes and is based on a basic PCB. The housing can also accommodate several PCBs. |

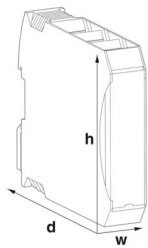
### Product properties

|                                   |                       |
|-----------------------------------|-----------------------|
| Product type                      | Stackable housing set |
| Housing type                      | DIN rail housing      |
| Housing type                      | Modular housings      |
| Housing series                    | ME-MAX                |
| Product family                    | ME MAX 22,5..         |
| Number of positions               | 24                    |
| Max. number of positions          | 24 (pitch: 5 mm)      |
| Number of rows                    | 3                     |
| Ventilation openings present      | yes                   |
| Anzahl der Etagen Housing (Makro) | 3 (Both sides)        |

### Connection data

|                   |                                      |
|-------------------|--------------------------------------|
| Connection method | Screw connection with tension sleeve |
|-------------------|--------------------------------------|

### Dimensions

|                                 |   |
|---------------------------------|---|
| Dimensional drawing             |  |
| Width                           | 22.5 mm   |
| Height                          | 99 mm   |
| Depth                           | 113.65 mm   |
| Depth from top edge of DIN rail | 107 mm  |

### PCB design

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

### Material specifications

|                 |                       |
|-----------------|-----------------------|
| Color (Housing) | light gray (RAL 7035) |
|-----------------|-----------------------|

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|  |    |
|--|----|
| Material                               | PA |
| Flammability rating according to UL 94 | V0 |

## Environmental and real-life conditions

### 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 % (maximum)                                     |

## PCB data

|                       |                      |
|-----------------------|----------------------|
| Number of PCB holders | 1                    |
| Type of PCB mount     | Latching             |
| Total PCB surface     | 6800 mm <sup>2</sup> |
| Thickness of the PCB  | 1.4 mm ... 1.8 mm    |

## Mounting

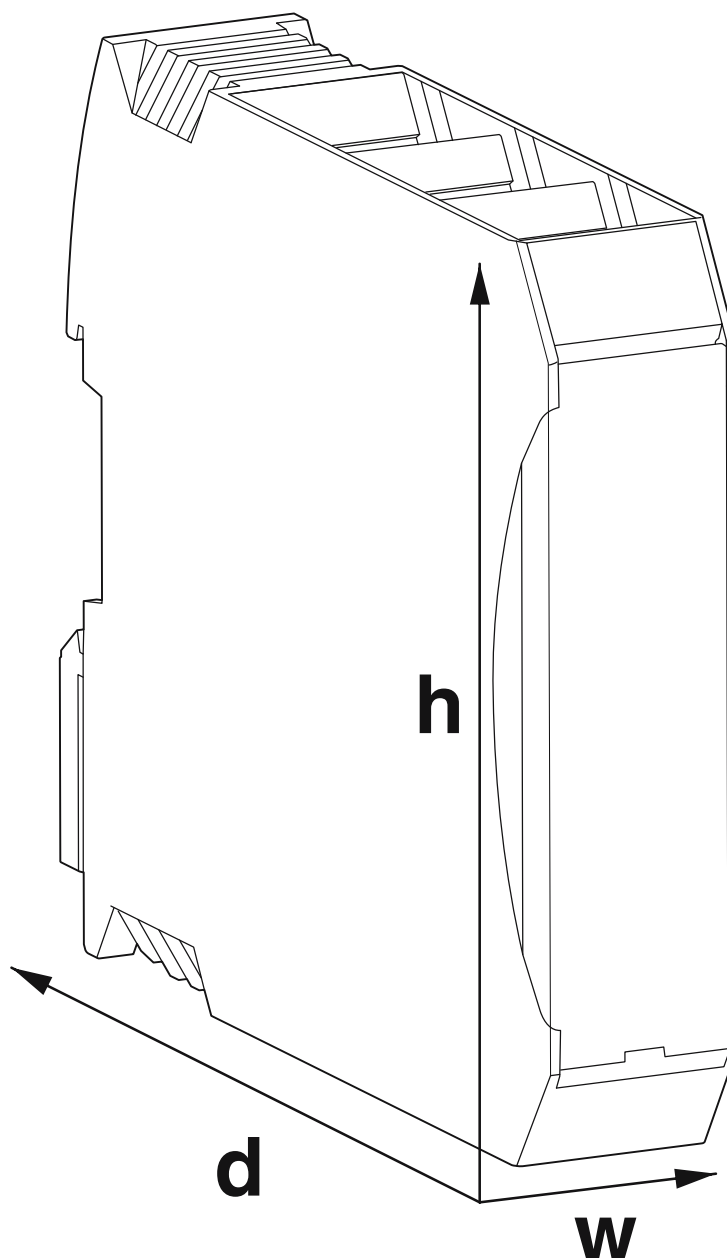
|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

## 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 | 27190301 |
| ECLASS-15.0 | 27190301 |

### ETIM

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

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

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.693 kg CO2e |
|---------|---------------|

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