

ME 22,5 OT-MSTBO GYWH - Upper housing part



2853912

<https://www.phoenixcontact.com/us/products/2853912>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: gray white (similar RAL 9002)



Your advantages

- Can be mounted on the DIN rail
- With integrated or DIN-rail-mountable bus connector as an option

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2853912 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | ACHAAD |
| GTIN | 4017918458324 |
| Weight per piece (including packing) | 12.67 g |
| Weight per piece (excluding packing) | 10.332 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

ME 22,5 OT-MSTBO GYWH - Upper housing part



2853912

<https://www.phoenixcontact.com/us/products/2853912>

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 | Upper housing part |
| Housing type | DIN rail housing |
| Housing series | ME |
| Number of positions | 48 |
| | 16 |
| Max. number of positions | 20 (pitch: 3.5 mm) |
| | 16 (pitch: 5 mm) |
| | 12 (pitch: 7.25 mm) |
| Number of rows | 2 |
| Ventilation openings present | no |
| Anzahl der Etagen Housing (Makro) | 2 (Both sides) |

Dimensions

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| Width | 22.6 mm |
| Height | 99 mm |
| Depth | 45.85 mm |
| Depth from base support surface | 38.5 mm |
| PCB design | |
| PCB thickness | 1.4 mm ... 1.8 mm |

Material specifications

| | |
|--|-----------------------|
| Color | gray-white (9002) |
| Color | gray white (RAL 9002) |
| Flammability rating according to UL 94 | V0 |
| CTI according to IEC 60112 | 600 |
| Housing material | PA |

Environmental and real-life conditions

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 |
| 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

ME 22,5 OT-MSTBO GYWH - Upper housing part



2853912

<https://www.phoenixcontact.com/us/products/2853912>

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

Mounting

| | |
|---------------|----------------------------------|
| Mounting type | Latching with lower housing part |
|---------------|----------------------------------|

Packaging specifications

| | |
|----------------------|---------------------|
| Type of packaging | packed in cardboard |
| Outer packaging type | Carton |

ME 22,5 OT-MSTBO GYWH - Upper housing part

2853912

<https://www.phoenixcontact.com/us/products/2853912>



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.

ME 22,5 OT-MSTBO GYWH - Upper housing part



2853912

<https://www.phoenixcontact.com/us/products/2853912>

Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31261501 |
|-------------|----------|

ME 22,5 OT-MSTBO GYWH - Upper housing part



2853912

<https://www.phoenixcontact.com/us/products/2853912>

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

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com