

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



2907444

<https://www.phoenixcontact.com/us/products/2907444>

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, Set comprised of upper housing part, 4 PCB headers (4-pos.), and 4 PCB terminal blocks with screw connection (4-pos.), width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: green (similar RAL 6021)



Your advantages

- Tool-free mounting
- Available in overall widths from 12.5 mm to 90 mm, modular extension 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 | 2907444 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AC08 |
| Product key | ACHAAD |
| Catalog page | Page 671 (C-1-2013) |
| GTIN | 4017918131531 |
| Weight per piece (including packing) | 53.7 g |
| Weight per piece (excluding packing) | 46.8 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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



2907444

<https://www.phoenixcontact.com/us/products/2907444>

Set consists of

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

2907169

<https://www.phoenixcontact.com/us/products/2907169>

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: green (similar RAL 6021)



MSTBO 2,5/ 4-G1L - PCB header

1861060

<https://www.phoenixcontact.com/us/products/1861060>



PCB headers, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, 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, plug-in system: COMBICON MSTB 2,5, locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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



2907444

<https://www.phoenixcontact.com/us/products/2907444>

MSTBO 2,5/ 4-G1R - PCB header

1861073

<https://www.phoenixcontact.com/us/products/1861073>



PCB headers, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, 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/...-G1R, pitch: 5 mm, connection method: pluggable, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, locking: without, type of packaging: packed in cardboard, Product with pin output on right side

MSTBT 2,5/ 4-ST - PCB connector

1779851

<https://www.phoenixcontact.com/us/products/1779851>



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, 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/...-ST, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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



2907444
<https://www.phoenixcontact.com/us/products/2907444>

Technical data

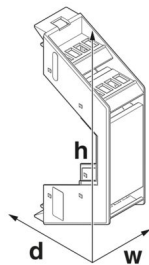
Notes

| | |
|---------|---|
| General | Refer to the data sheet for the range in the download area. |
|---------|---|

Product properties

| | |
|------------------------------|---|
| Product type | Upper housing part |
| Housing type | DIN rail housing |
| Housing series | ME |
| Product family | ME 22,5.. |
| Max. number of positions | 16 (pitch: 5 mm))) |
| Number of rows | 2 |
| Type | Set comprised of upper housing part, 4 PCB headers (4-pos.), and 4 PCB terminal blocks with screw connection (4-pos.) |
| Ventilation openings present | no |

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 (Housing) | green (RAL 6021) |
| Flammability rating according to UL 94 | V0 |
| CTI according to IEC 60112 | 600 |
| Housing material | Polyamide |
| Surface characteristics | untreated |

Environmental and real-life conditions

| |
|----------------|
| Vibration test |
|----------------|

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



2907444

<https://www.phoenixcontact.com/us/products/2907444>

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

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

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



2907444

<https://www.phoenixcontact.com/us/products/2907444>

Mounting

| | |
|-------------------|----------------------------------|
| Mounting type | Latching with lower housing part |
| Mounting position | Vertical (horizontal DIN rail) |

Packaging specifications

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

Phoenix Contact 2024 © - 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