

ME 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

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 (2-pos.), and 4 PCB terminal blocks with screw connection (2-pos.), width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: black (similar RAL 9005)



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	2706360
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ACHAAD
GTIN	4017918616557
Weight per piece (including packing)	30.5 g
Weight per piece (excluding packing)	25.188 g
Country of origin	DE

ME 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

Set consists of

ME 12,5 OT-MSTBO BK VPE500 - Upper housing part

2908977

<https://www.phoenixcontact.com/us/products/2908977>

DIN rail housing, Upper housing part for connectors with header, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: black (similar RAL 9005)



MSTBO 2,5/ 2-G1L BK - PCB header

2908951

<https://www.phoenixcontact.com/us/products/2908951>

PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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



ME 12,5 OT-MSTBO SET BK - Upper housing part

2706360

<https://www.phoenixcontact.com/us/products/2706360>

MSTBO 2,5/ 2-G1R BK - PCB header

2908964

<https://www.phoenixcontact.com/us/products/2908964>



PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: MSTBO 2,5/..-G1R, 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 right side

MSTBT 2,5/ 2-ST BK - PCB connector

1893300

<https://www.phoenixcontact.com/us/products/1893300>



PCB connector, nominal cross section: 2.5 mm², color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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 °, pin layout: Linear pinning, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting method: without, type of packaging: packed in cardboard

ME 12,5 OT-MSTBO SET BK - Upper housing part

2706360

<https://www.phoenixcontact.com/us/products/2706360>

Technical data

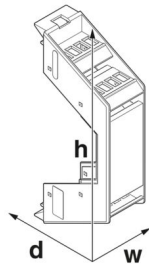
Notes

Assembly note	Please observe the application note in the download area.
---------------	---

Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 12,5..
Number of positions	8
Max. number of positions	8 (pitch: 5 mm)
Number of rows	2
Ventilation openings present	no
Anzahl der Etagen Housing (Makro)	2 (Both sides)

Dimensions

Dimensional drawing	
Width	12.6 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)	black (RAL 9005)
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

ME 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

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

Mounting

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

ME 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

ME 12,5 OT-MSTBO SET BK - Upper housing part

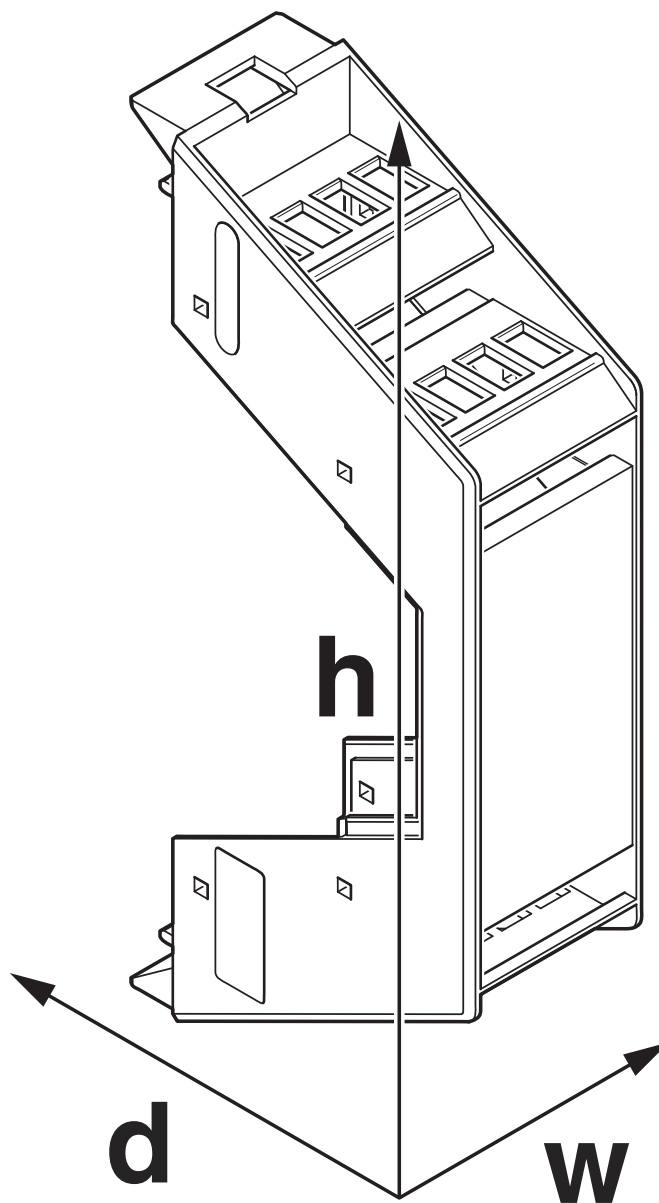
2706360

<https://www.phoenixcontact.com/us/products/2706360>



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 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

Classifications

ECLASS

ECLASS-13.0

27190401

ETIM

ETIM 9.0

EC001031

UNSPSC

UNSPSC 21.0

31261500

ME 12,5 OT-MSTBO SET BK - Upper housing part



2706360

<https://www.phoenixcontact.com/us/products/2706360>

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