

ME 17,5 OT-MSTBO SET BK - Upper housing part



2706373

<https://www.phoenixcontact.com/us/products/2706373>

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DIN rail housing, Set comprised of upper housing part, 4 PCB headers (3-pos.), and 4 PCB terminal blocks with screw connection (3-pos.), width: 17.6 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	2706373
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ACHAAD
GTIN	4017918616564
Weight per piece (including packing)	43.62 g
Weight per piece (excluding packing)	33.54 g
Country of origin	DE

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2706373

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Set consists of

ME 17,5 OT-MSTBO BK - Upper housing part

2909617

<https://www.phoenixcontact.com/us/products/2909617>

DIN rail housing, Upper housing part for connectors with header, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: black (similar RAL 9005)



MSTBO 2,5/ 3-G1L BK - PCB header

2909646

<https://www.phoenixcontact.com/us/products/2909646>



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: 3, number of rows: 1, number of positions: 3, number of connections: 3, 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 17,5 OT-MSTBO SET BK - Upper housing part

2706373

<https://www.phoenixcontact.com/us/products/2706373>

MSTBO 2,5/ 3-G1R BK - PCB header

2909633

<https://www.phoenixcontact.com/us/products/2909633>



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: 3, number of rows: 1, number of positions: 3, number of connections: 3, 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/ 3-ST BK - PCB connector

1914836

<https://www.phoenixcontact.com/us/products/1914836>



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: 3, number of rows: 1, number of positions: 3, number of connections: 3, 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 17,5 OT-MSTBO SET BK - Upper housing part



2706373

<https://www.phoenixcontact.com/us/products/2706373>

Technical data

Notes

Assembly note	Please observe the application note in the download area.
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Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 17,5..
Number of positions	12
Max. number of positions	12 (pitch: 5 mm)))
Number of rows	2
Ventilation openings present	no
Anzahl der Etagen Housing (Makro)	2 (Both sides)

Dimensions

Dimensional drawing	
Width	17.6 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
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Material specifications

Color (Upper housing part)	black (RAL 9005)
Material Upper housing part	PA
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600

Environmental and real-life conditions

Vibration test

ME 17,5 OT-MSTBO SET BK - Upper housing part



2706373

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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
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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 17,5 OT-MSTBO SET BK - Upper housing part



2706373

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Mounting

Mounting type	Latching with lower housing part
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Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

ME 17,5 OT-MSTBO SET BK - Upper housing part

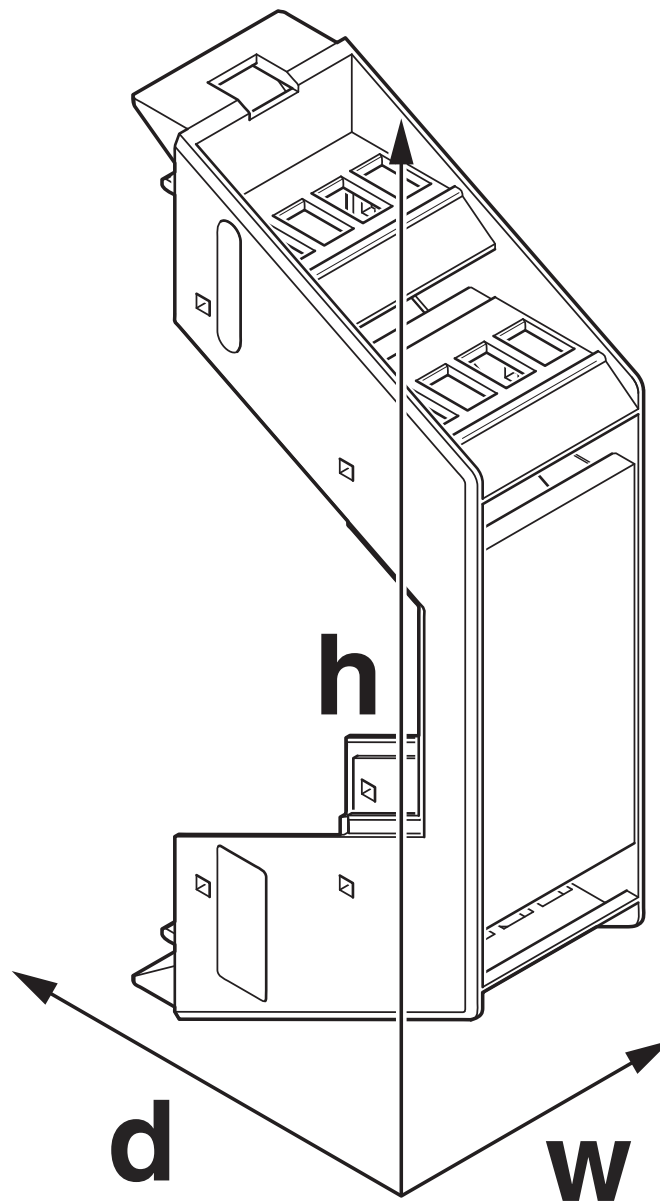
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Drawings

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 17,5 OT-MSTBO SET BK - Upper housing part



2706373

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2706373>

 cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B	250 V	12 A	30 - 12	-
D	300 V	10 A	30 - 12	-

 UL Recognized Approval ID: FILE E 60425				
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Classifications

ECLASS

ECLASS-13.0	27190401
ECLASS-15.0	27190401

ETIM

ETIM 10.0	EC001031
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UNSPSC

UNSPSC 21.0	31261500
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2706373

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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