

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



2907431

<https://www.phoenixcontact.com/pc/products/2907431>

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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: green



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	2907431
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ACHAAD
Catalog page	Page 670 (C-1-2013)
GTIN	4017918131524
Weight per piece (including packing)	38.2 g
Weight per piece (excluding packing)	37.8 g
Customs tariff number	85366990
Country of origin	DE

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Set consists of

ME 17,5 OT-MSTBO GN - Upper part of housing

2906827

<https://www.phoenixcontact.com/pc/products/2906827>

DIN rail housing, Upper housing part for connectors with header, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: green



MSTBO 2,5/ 3-G1L - PCB header

1861028

<https://www.phoenixcontact.com/pc/products/1861028>



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 rows: 1, number of positions: 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, plug-in system: COMBICON MSTB 2,5, locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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MSTBO 2,5/ 3-G1R - PCB header

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

1779848

<https://www.phoenixcontact.com/pc/products/1779848>



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: 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 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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Technical data

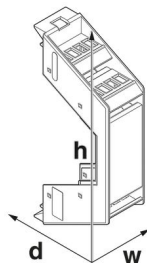
Notes

General	Refer to the data sheet for the range in the download area.
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Product properties

Product type	Upper housing part
Product family	ME..OT-MSTBO SET
Max. number of positions	12 (pitch: 5 mm)))
Number of rows	2
Type	Set comprised of upper housing part, 4 PCB headers (3-pos.), and 4 PCB terminal blocks with screw connection (3-pos.)
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ME

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

Environmental and real-life conditions

Vibration test

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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

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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

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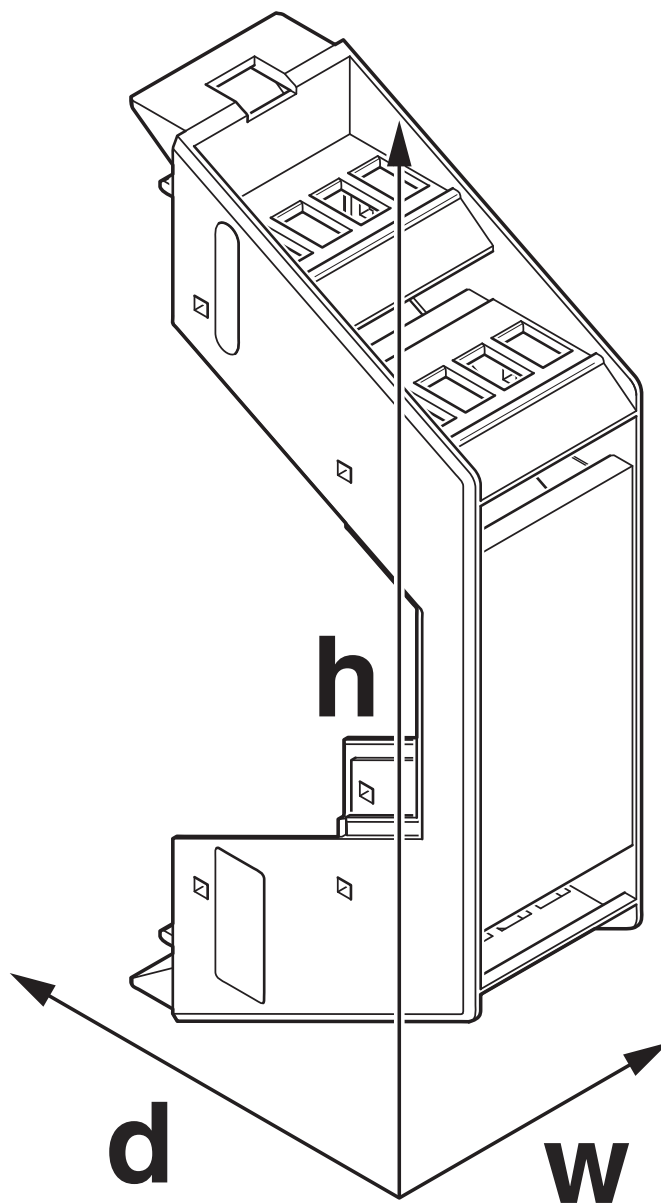
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Drawings

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.

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2907431>

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

UL Recognized Approval ID: FILE E 60425				
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cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190401

ETIM

ETIM 9.0	EC001031
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UNSPSC

UNSPSC 21.0	31261500
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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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