

2278856

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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 12.6 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 ... 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	2278856
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ACHAAD
Catalog page	Page 670 (C-1-2013)
GTIN	4046356328999
Weight per piece (including packing)	9.03 g
Weight per piece (excluding packing)	9.03 g
Country of origin	DE

ME 12,5 OTU-MKDSO GN - Upper housing part



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Technical data

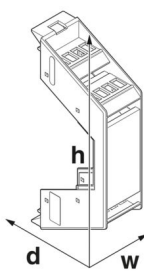
Notes

Assembly note	Refer to the data sheet for the range 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 12,5..
Max. number of positions	12 (pitch: 3.5 mm)
	8 (pitch: 5 mm)
Type	Upper housing part for PCB terminal blocks with screw connection
Ventilation openings present	no

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
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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

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz

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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

Mounting

Mounting type	Latching with lower housing part
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Mounting position	Vertical (horizontal DIN rail)
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Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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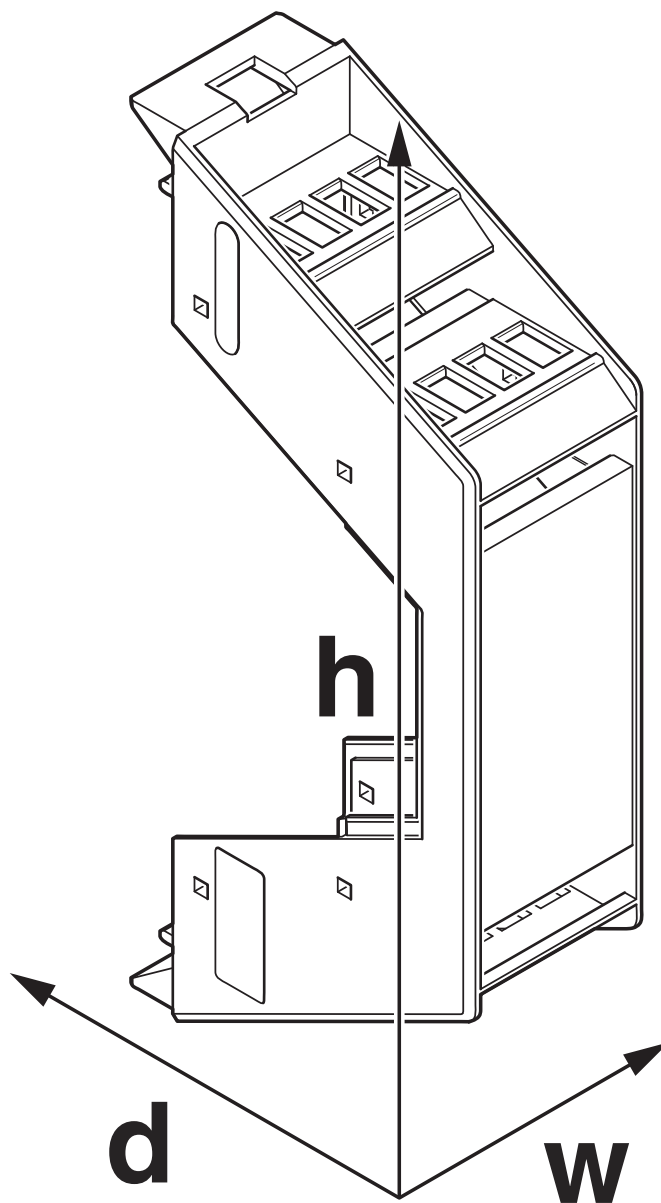
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Drawings

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/us/products/2278856>



UL Recognized

Approval ID: FILE E 240868

ME 12,5 OTU-MKDSO GN - Upper housing part



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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	EC001031
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UNSPSC

UNSPSC 21.0	31261500
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ME 12,5 OTU-MKDSO GN - Upper housing part



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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%

ME 12,5 OTU-MKDSO GN - Upper housing part

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Mandatory accessories

MKDSO 2,5/ 2-L - PCB terminal block

1707205

<https://www.phoenixcontact.com/us/products/1707205>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², number of potentials: 2, number of rows: 1, number of positions per row: 2, product range: MKDSO 2,5/..-L, pitch: 5 mm, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on left side

MKDSO 2,5/ 2-R - PCB terminal block

1707195

<https://www.phoenixcontact.com/us/products/1707195>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², number of potentials: 2, number of rows: 1, number of positions per row: 2, product range: MKDSO 2,5/..-R, pitch: 5 mm, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. Product with pin output on right side

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ME 12,5 UT/FE GN - Mounting base housing

2906791

<https://www.phoenixcontact.com/us/products/2906791>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 UT GN - Mounting base housing

2906759

<https://www.phoenixcontact.com/us/products/2906759>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 OTU-MKDSO GN - Upper housing part

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ME 12,5 UTG GN - Mounting base housing

2906762

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DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

ME 12,5 UTG/FE GN - Mounting base housing

2906801

<https://www.phoenixcontact.com/us/products/2906801>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 12.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: without bus connector, number of positions cross connector: not relevant

Accessories

ME 12,5 OTU-MKDSO GN - Upper housing part

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ME B-12,5 MKDSO GN - Filler plug

2906872

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DIN rail housing, Filler plug for unoccupied terminal points (MKDSO), width: 11 mm, height: 17.05 mm, depth: 8.55 mm, color: green (similar RAL 6021)

HS LC-H-D3/ R1XC1 - Fiber optic

2202313

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Multiple light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO GN - Upper housing part



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HS LC-H-5X2/ R1XC1 - Fiber optic

2202314

<https://www.phoenixcontact.com/us/products/2202314>

Single light guide, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



HS LC-H-D3/ R2XC1-5,08 - Fiber optic

2202315

<https://www.phoenixcontact.com/us/products/2202315>

Multiple light guides, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



ME 12,5 OTU-MKDSO GN - Upper housing part



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HS LC-H-D2/ R2XC1-2,54 - Fiber optic

2202316

<https://www.phoenixcontact.com/us/products/2202316>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2/ R2XC2-2,54 - Fiber optic

2202317

<https://www.phoenixcontact.com/us/products/2202317>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO GN - Upper housing part



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HS LC-H-D2/ R2XC5-2,54 - Fiber optic

2202318

<https://www.phoenixcontact.com/us/products/2202318>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2/ R2XC10-2,54 - Fiber optic

2202319

<https://www.phoenixcontact.com/us/products/2202319>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO GN - Upper housing part



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HS LC-H-D2C/ R2XC1-2,54 - Fiber optic

1036658

<https://www.phoenixcontact.com/us/products/1036658>



Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2C/ R2XC2-2,54 - Fiber optic

1043044

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Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 12,5 OTU-MKDSO GN - Upper housing part



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HS LC-H-D2C/ R2XC5-2,54 - Fiber optic

1071310

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Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



HS LC-H-D2C/ R2XC10-2,54 - Fiber optic

1071314

<https://www.phoenixcontact.com/us/products/1071314>

Multiple light guides with glare protection, passive, rigid, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)



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