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DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, 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 ... 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	2907172
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC08
Product key	ACHAAD
Catalog page	Page 575 (CC-2009)
GTIN	4017918126667
Weight per piece (including packing)	12.81 g
Weight per piece (excluding packing)	8.89 g
Customs tariff number	85389099
Country of origin	DE

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



2907172

<https://www.phoenixcontact.com/us/products/2907172>

Technical data

Notes

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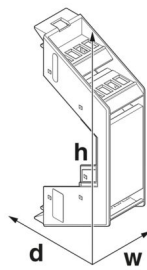
Product properties

Product type	Upper housing part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 22,5..
Max. number of positions	20 (pitch: 3.5 mm) 16 (pitch: 5 mm)
Set comprises	2907473 ME 22,5 OT-MKDSO SET
Type	Upper housing part for PCB terminal blocks with screw connection
Ventilation openings present	no

Data management status

Article revision	02
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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
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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

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



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Vibration test

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

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



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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

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

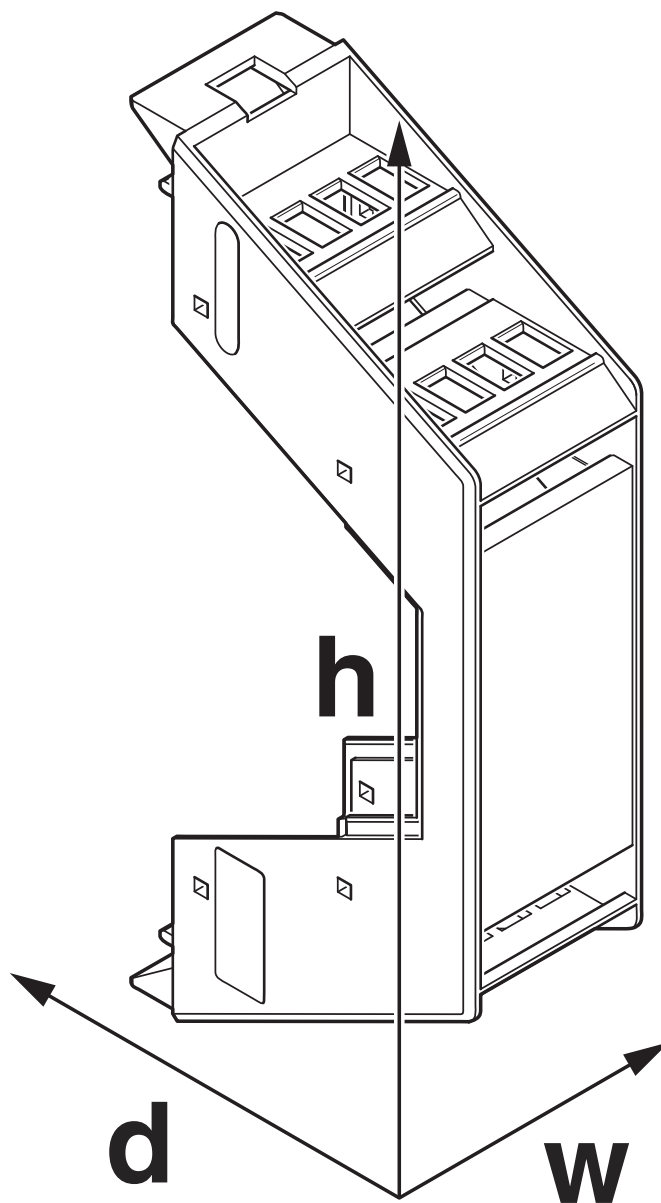
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Drawings

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 22,5 OT-MKDSO GN - Upper housing part



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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907172>



UL Recognized

Approval ID: E240868

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



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Mandatory accessories

MKDSO 2,5/ 4-L - PCB terminal block

1707234

<https://www.phoenixcontact.com/us/products/1707234>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², number of potentials: 4, number of rows: 1, number of positions per row: 4, 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/ 4-R - PCB terminal block

1707247

<https://www.phoenixcontact.com/us/products/1707247>



PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², number of potentials: 4, number of rows: 1, number of positions per row: 4, 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

Accessories

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

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ME B-22,5 MKDSO GN - Filler plug

2907143

<https://www.phoenixcontact.com/us/products/2907143>



DIN rail housing, Filler plug for unoccupied terminal points (MKDSO), width: 21 mm, height: 17.05 mm, depth: 8.55 mm, color: green (similar RAL 6021)

HS LC-H-D3/ R1XC1 - Fiber optic

2202313

<https://www.phoenixcontact.com/us/products/2202313>



Multiple light guides, passive, rigid, Cylinder head, Emission surface: planar, Number of displays: 1, (1 row, 1 column), pitch: 5.08 mm, ESD protection: <10 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 22,5 OT-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, Rectangular, straight, Emission surface: planar, Number of displays: 1, (1 row, 1 column), ESD protection: <10 kV, 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, Cylinder head, Emission surface: planar, Number of displays: 2, (2 rows, 1 column), pitch: 5.08 mm, ESD protection: <5 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 22,5 OT-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, Raised head, Emission surface: spherical, Number of displays: 2, (2 rows, 1 column), pitch: 2.54 mm, ESD protection: <8 kV, 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, Raised head, Emission surface: spherical, Number of displays: 4, (2 rows, 2 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

ME 22,5 OT-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, Raised head, Emission surface: spherical, Number of displays: 10, (2 rows, 5 columns), pitch: 2.54 mm, ESD protection: <8 kV, 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, Raised head, Emission surface: spherical, Number of displays: 20, (2 rows, 10 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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



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HS LC-H-D2/ R4XC2-2,54 - Fiber optic

2202320

<https://www.phoenixcontact.com/us/products/2202320>



Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 8, (4 rows, 2 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2/ R4XC5-2,54 - Fiber optic

2202321

<https://www.phoenixcontact.com/us/products/2202321>



Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 20, (4 rows, 5 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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

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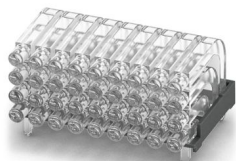
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HS LC-H-D2/ R4XC9-2,54 - Fiber optic

2202322

<https://www.phoenixcontact.com/us/products/2202322>



Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 36, (4 rows, 9 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

HS LC-H-D2/ R4XC10-2,54 - Fiber optic

2202323

<https://www.phoenixcontact.com/us/products/2202323>



Multiple light guides with glare protection, passive, rigid, Raised head, Emission surface: spherical, Number of displays: 40, (4 rows, 10 columns), pitch: 2.54 mm, ESD protection: <8 kV, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed)

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