

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



2907473

<https://www.phoenixcontact.com/us/products/2907473>

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DIN rail housing, Set comprised of upper housing part and 4 PCB terminal blocks (4-pos.) 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	2907473
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AC08
Product key	ACHAAD
Catalog page	Page 671 (C-1-2013)
GTIN	4017918131562
Weight per piece (including packing)	46.6 g
Weight per piece (excluding packing)	41 g
Customs tariff number	85369010
Country of origin	DE

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Set consists of

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

2907172

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



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)

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

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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

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



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Technical data

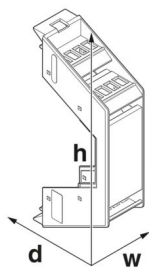
Notes

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 22,5..
Max. number of positions	16 (pitch: 5 mm)
Number of rows	2
Type	Set comprised of upper housing part and 4 PCB terminal blocks (4-pos.) with screw connection
Ventilation openings present	no

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

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

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

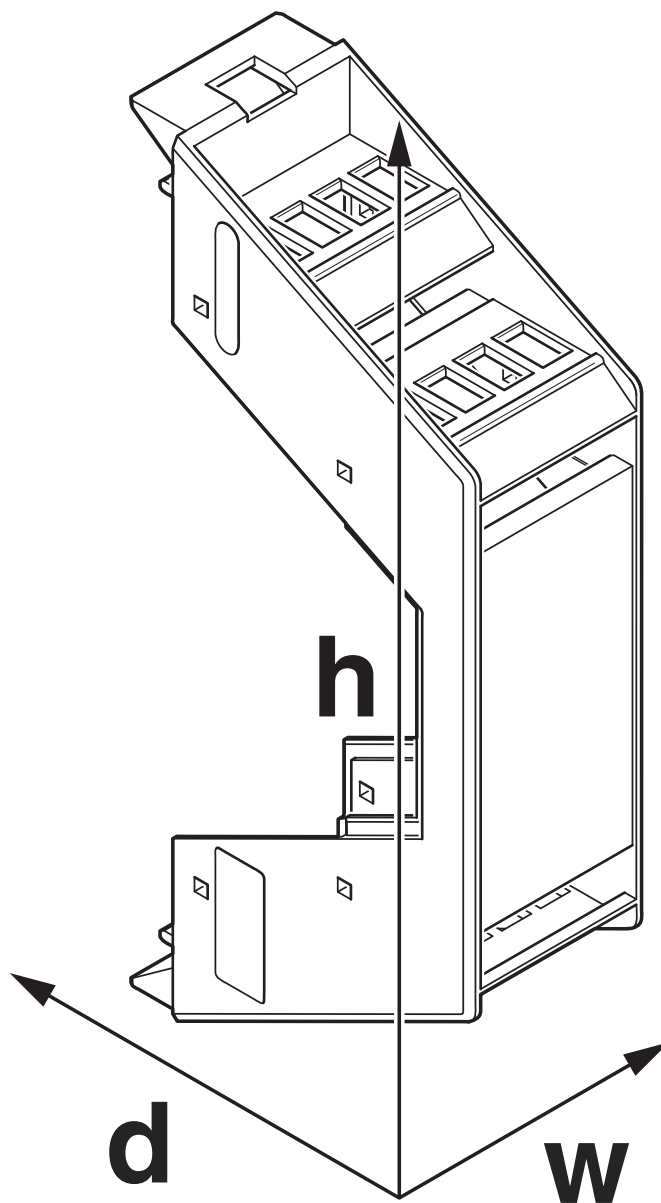
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Drawings

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.

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907473>

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				
	300 V	10 A	30 - 12	-
Use group D				
	300 V	10 A	30 - 12	-

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

cULus Recognized				
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ME 22,5 OT-MKDSO SET - Upper housing part



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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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Mandatory accessories

ME 22,5 UT GN - Mounting base housing

2907130

<https://www.phoenixcontact.com/us/products/2907130>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 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 22,5 UT/FE GN - Mounting base housing

2907114

<https://www.phoenixcontact.com/us/products/2907114>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 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 22,5 OT-MKDSO SET - Upper housing part

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ME 22,5 UT/FE BUS/10+2 GN - Mounting base housing

2854212

<https://www.phoenixcontact.com/us/products/2854212>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

ME 22,5 UT/FE BUS/ 5 GN - Mounting base housing

2908744

<https://www.phoenixcontact.com/us/products/2908744>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

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

2907473

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ME 22,5 UT TBUS GN - Mounting base housing

2707385

<https://www.phoenixcontact.com/us/products/2707385>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

ME 22,5 UT/FE BUS/10 GN - Mounting base housing

2908755

<https://www.phoenixcontact.com/us/products/2908755>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

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

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ME 22,5 UT BUS/10+2 GN - Mounting base housing

2915232

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

ME 22,5 UT BUS/ 5 GN - Mounting base housing

2713418

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

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

2907473

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ME 22,5 UTG/FE BUS/10 GN - Mounting base housing

2853394

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DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

ME 22,5 UTG GN - Mounting base housing

2907127

<https://www.phoenixcontact.com/us/products/2907127>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 22.6 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 22,5 OT-MKDSO SET - Upper housing part

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ME 22,5 UTG/FE GN - Mounting base housing

2907101

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DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 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 22,5 UTG TBUS GN - Mounting base housing

2707408

<https://www.phoenixcontact.com/us/products/2707408>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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

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ME 22,5 UTG/FE TBUS GN - Mounting base housing

2200044

<https://www.phoenixcontact.com/us/products/2200044>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

ME 22,5 UTG/FE BUS/10+2 GN - Mounting base housing

2279499

<https://www.phoenixcontact.com/us/products/2279499>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

Accessories

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

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ME-SAS - Shield connection clamp

2853899

<https://www.phoenixcontact.com/us/products/2853899>

Shield connection clamp for terminal points starting from 2.5 mm²



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 22,5 OT-MKDSO SET - 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 22,5 OT-MKDSO SET - 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 22,5 OT-MKDSO SET - 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 22,5 OT-MKDSO SET - 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, 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, 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 SET - Upper housing part



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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, 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, 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 SET - Upper housing part



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HS LC-H-D2C/ R4XC5-2,54 - Fiber optic

1071318

<https://www.phoenixcontact.com/us/products/1071318>



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/ R4XC9-2,54 - Fiber optic

1071321

<https://www.phoenixcontact.com/us/products/1071321>



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 22,5 OT-MKDSO SET - Upper housing part

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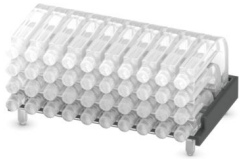


HS LC-H-D2C/ R4XC10-2,54 - Fiber optic

1071329

<https://www.phoenixcontact.com/us/products/1071329>

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-SAS MINI - Shield connection clamp

2200456

<https://www.phoenixcontact.com/us/products/2200456>

Shield connection clamp for terminal points starting from 1.5 mm²



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