

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

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 (6021)



## 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	2907473
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	A13
Product Key	ACHAAD
Catalog Page	Page 671 (C-1-2013)
GTIN	4017918131562
Weight per Piece (including packing)	45.9 g
Weight per Piece (excluding packing)	41 g
Customs tariff number	85369010
Country of origin	DE

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Set consists of

Upper part of housing

Upper part of housing - ME 22,5 OT-MKDSO GN - 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 (6021)



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PCB terminal block

PCB terminal block - MKDSO 2,5/ 4-L - 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 mm<sup>2</sup>, 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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## PCB terminal block

PCB terminal block - MKDSO 2,5/ 4-R - 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 mm<sup>2</sup>, 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

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## Technical Data

### Notes

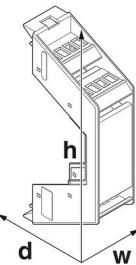
Assembly instruction:	Refer to the data sheet for the range in the download area.
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### Product properties

Product type	Upper housing part
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
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ME
	2 (Both sides)

### 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	green (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

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 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

## Glow-wire test

Specification	DIN EN 60695-2-11 (VDE 0471-2-11):2014-11
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)

## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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

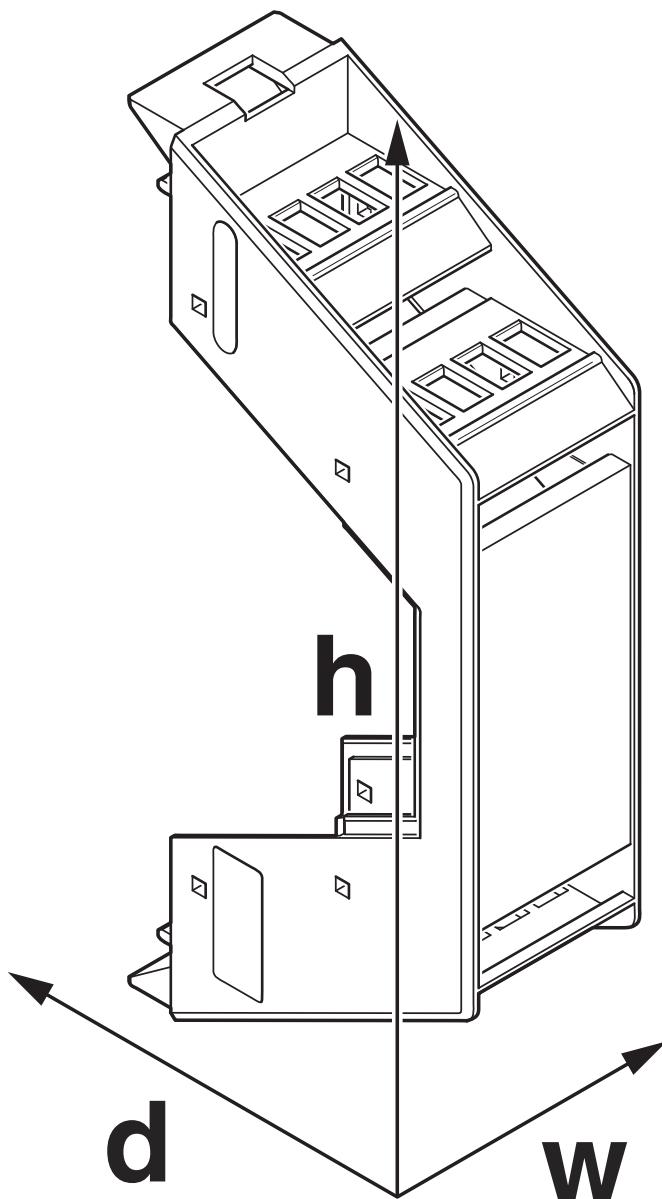
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## Drawings

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.

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

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## Approvals

<b>cUL Recognized</b> 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	-

<b>UL Recognized</b> 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**

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

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## Classifications

### ECLASS

ECLASS-9.0	27182702
ECLASS-10.0.1	27182702
ECLASS-11.0	27182702

### ETIM

ETIM 8.0	EC001031
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### UNSPSC

UNSPSC 21.0	31261500
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# Upper part of housing - ME 22,5 OT-MKDSO SET

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



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## Mandatory Accessories

### Mounting base housing

Mounting base housing - ME 22,5 UT GN - 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 (6021), cross connection: without bus connector, number of positions cross connector: not relevant

### Mounting base housing

Mounting base housing - ME 22,5 UT/FE GN - 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 (6021), cross connection: without bus connector, number of positions cross connector: not relevant

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UT/FE BUS/ 5+2 GN - 2854209

<https://www.phoenixcontact.com/us/products/2854209>



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 (6021), cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial contacts

## Mounting base housing

Mounting base housing - ME 22,5 UT/FE BUS/10+2 GN - 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 (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UT/FE BUS/ 5 GN - 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, color: green, (6021), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

## Mounting base housing

Mounting base housing - ME 22,5 UT TBUS GN - 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 (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UT/FE BUS/10 GN - 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, color: green, (6021), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

## Mounting base housing

Mounting base housing - ME 22,5 UT BUS/10+2 GN - 2915232

<https://www.phoenixcontact.com/us/products/2915232>



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 (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UT BUS/ 5 GN - 2713418

<https://www.phoenixcontact.com/us/products/2713418>



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 (6021), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

## Mounting base housing

Mounting base housing - ME 22,5 UTG/FE BUS/10 GN - 2853394

<https://www.phoenixcontact.com/us/products/2853394>



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 (6021), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UTG GN - 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 (6021), cross connection: without bus connector, number of positions cross connector: not relevant

## Mounting base housing

Mounting base housing - ME 22,5 UTG/FE GN - 2907101

<https://www.phoenixcontact.com/us/products/2907101>



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 (6021), cross connection: without bus connector, number of positions cross connector: not relevant

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UTG TBUS GN - 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 (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

## Mounting base housing

Mounting base housing - ME 22,5 UTG/FE TBUS GN - 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 (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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



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

## Mounting base housing

Mounting base housing - ME 22,5 UTG/FE BUS/10+2 GN - 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 (6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

## Accessories

### Shield connection clamp

Shield connection clamp - ME-SAS - 2853899

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

Shield connection clamp for terminal points starting from 2.5 mm<sup>2</sup>



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



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

## Fiber optic

Fiber optic - HS LC-H-D3/ R1XC1 - 2202313

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

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)



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## Fiber optic

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



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



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

## Fiber optic

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



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## Fiber optic

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



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



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## Fiber optic

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

## Fiber optic

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

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



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## Fiber optic

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



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## Fiber optic

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



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



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## Fiber optic

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

## Fiber optic

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

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



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

## Fiber optic

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



## Fiber optic

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



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



2907473

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

## Fiber optic

Fiber optic - HS LC-H-D2C/ R4XC9-2,54 - 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)



## Fiber optic

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



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

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## Shield connection clamp

Shield connection clamp - ME-SAS MINI - 2200456

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

Shield connection clamp for terminal points starting from 1.5 mm<sup>2</sup>



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