

Upper part of housing - ME 45 OT-MSTBO SET



2909905

<https://www.phoenixcontact.com/gb/products/2909905>

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DIN rail housing, Set comprised of upper housing part, 8 PCB headers (4-pos.), and 8 PCB terminal blocks with screw connection (4-pos.), width: 45.2 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

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Commercial Data

Item number	2909905
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ACHAAD
Product Key	ACHAAD
Catalog Page	Page 671 (C-1-2013)
GTIN	4017918170011
Weight per Piece (including packing)	98.3 g
Weight per Piece (excluding packing)	84.4 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

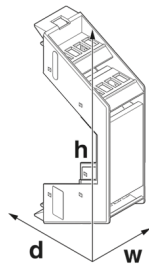
Notes

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 on housing	32 (pitch: 5 mm)))
Set consists of	2909743 ME 45 OT-MSTBO GN 1861060 MSTBO 2,5/ 4-G1L 1861073 MSTBO 2,5/ 4-G1R 1779851 MSTBT 2,5/ 4-ST
Number of rows	2
Type	Set comprised of upper housing part, 8 PCB headers (4-pos.), and 8 PCB terminal blocks with screw connection (4-pos.)
Housing type	DIN rail housing
Ventilation openings present	no
Housing series	ME
	2 (Both sides)

Dimensions

Dimensional drawing	
Width	45.2 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

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Housing material	Polyamide
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Connector

Housing material	Polyamide
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Environmental and real-life conditions

Vibration test

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

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Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	80 %

PCB data

Number of PCB holders	2
Type of PCB mount	Slot
Thickness of the PCB	1.4 mm ... 1.8 mm

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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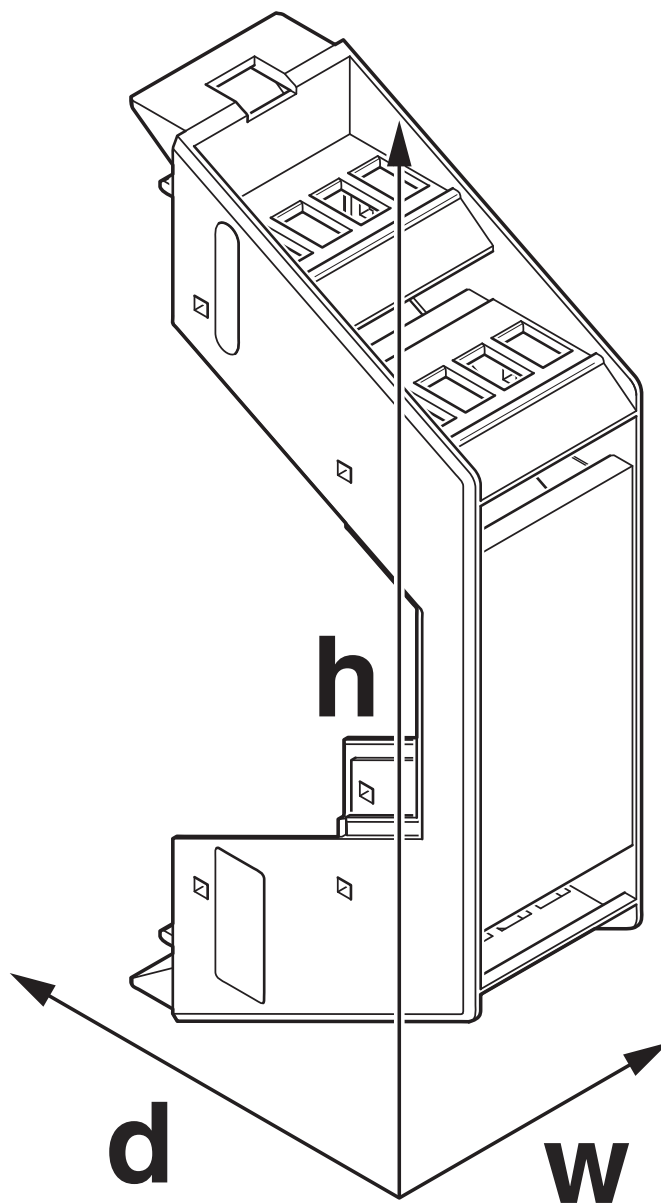
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Drawings

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

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				
	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	-

cULus Recognized				
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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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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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Mandatory Accessories

Mounting base housing

Mounting base housing - ME 45 UTG/FE GN - 2909387

<https://www.phoenixcontact.com/gb/products/2909387>



DIN rail housing, Lower housing part with metal foot catch, with 2 FE contacts, tall design, without vents, width: 45.2 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 45 UT TBUS GN - 2713010

<https://www.phoenixcontact.com/gb/products/2713010>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: DIN rail connector (optional), number of positions cross connector: 5

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Mounting base housing

Mounting base housing - ME 45 UT/FE1 BUS/10+2 GN - 2707440

<https://www.phoenixcontact.com/gb/products/2707440>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 45.2 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

Mounting base housing

Mounting base housing - ME 45 UTG GN - 2909374

<https://www.phoenixcontact.com/gb/products/2909374>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 45.2 mm, height: 99 mm, depth: 107.3 mm, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

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Mounting base housing

Mounting base housing - ME 45 UTG/FE1 GN - 2279460

<https://www.phoenixcontact.com/gb/products/2279460>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, without vents, width: 45.2 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 45 UT/BUS/10+2 GN - 2200147

<https://www.phoenixcontact.com/gb/products/2200147>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 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 45 OT-MSTBO SET

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Mounting base housing

Mounting base housing - ME 45 UT/FE GN - 2909358

<https://www.phoenixcontact.com/gb/products/2909358>



DIN rail housing, Lower housing part with metal foot catch, with 2 FE contacts, tall design, with vents, width: 45.2 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 45 UT/FE BUS/10+2 GN - 2735580

<https://www.phoenixcontact.com/gb/products/2735580>



DIN rail housing, Lower housing part with metal foot catch, with 2 FE contacts, tall design, with vents, width: 45.2 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 45 OT-MSTBO SET

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Mounting base housing

Mounting base housing - ME 45 UT GN - 2909361

<https://www.phoenixcontact.com/gb/products/2909361>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 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 45 UT BUS/5 GN - 2853679

<https://www.phoenixcontact.com/gb/products/2853679>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 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

Upper part of housing - ME 45 OT-MSTBO SET

2909905

<https://www.phoenixcontact.com/gb/products/2909905>



Mounting base housing

Mounting base housing - ME 45 UTG TBUS GN - 2713023

<https://www.phoenixcontact.com/gb/products/2713023>



DIN rail housing, Lower housing part with metal foot catch, tall design, without vents, width: 45.2 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 45 UT/FE BUS/ 5 GN - 2709765

<https://www.phoenixcontact.com/gb/products/2709765>



DIN rail housing, Lower housing part with metal foot catch, with 2 FE contacts, tall design, with vents, width: 45.2 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

Upper part of housing - ME 45 OT-MSTBO SET

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Mounting base housing

Mounting base housing - ME 45 UT/FE BUS/10 GN - 2713065

<https://www.phoenixcontact.com/gb/products/2713065>



DIN rail housing, Lower housing part with metal foot catch, with 2 FE contacts, tall design, with vents, width: 45.2 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 45 UT/FE BUS/ 5+2 GN - 2735577

<https://www.phoenixcontact.com/gb/products/2735577>



DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 45.2 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

Upper part of housing - ME 45 OT-MSTBO SET

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Mounting base housing

Mounting base housing - ME 45 UT BUS/10 GN - 2853682

<https://www.phoenixcontact.com/gb/products/2853682>



DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 45.2 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

Intermediate element

Intermediate element - ME 45 UTM GN - 2853404

<https://www.phoenixcontact.com/gb/products/2853404>



DIN rail housing, Intermediate element, for modular extension of the housing volume, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 74 mm, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Upper part of housing - ME 45 OT-MSTBO SET



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Intermediate element

Intermediate element - ME 45 UTM G GN - 2853417

<https://www.phoenixcontact.com/gb/products/2853417>



DIN rail housing, Intermediate element, for modular extension of the housing volume, tall design, without vents, width: 22.6 mm, height: 99 mm, depth: 74 mm, color: green (6021), cross connection: without bus connector, number of positions cross connector: not relevant

Accessories

Filler plugs

Filler plugs - ME B-22,5 MSTBO GN - 2907156

<https://www.phoenixcontact.com/gb/products/2907156>



DIN rail housing, Filler plug for unoccupied terminal points (MSTBO), width: 20 mm, height: 19.05 mm, depth: 12.3 mm, color: green (6021)

Upper part of housing - ME 45 OT-MSTBO SET



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Fiber optic

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

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

Light guides, 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-5X2/ R1XC1 - 2202314

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

Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D3/ R2XC1-5,08 - 2202315

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

Light guides, 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/ R2XC1-2,54 - 2202316

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

Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2/ R2XC2-2,54 - 2202317

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



Light guides, 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/gb/products/2202318>



Light guides, 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 45 OT-MSTBO SET



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Fiber optic

Fiber optic - HS LC-H-D2/ R2XC10-2,54 - 2202319

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

Light guides, 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/ R4XC2-2,54 - 2202320

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

Light guides, 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 45 OT-MSTBO SET



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Fiber optic

Fiber optic - HS LC-H-D2/ R4XC5-2,54 - 2202321

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



Light guides, 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/gb/products/2202322>



Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2/ R4XC10-2,54 - 2202323

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

Light guides, 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/ R2XC1-2,54 - 1036658

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

Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2C/ R2XC2-2,54 - 1043044

<https://www.phoenixcontact.com/gb/products/1043044>



Light guides, 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/ R2XC5-2,54 - 1071310

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Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2C/ R2XC10-2,54 - 1071314

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

Light guides, 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/ R4XC2-2,54 - 1071316

<https://www.phoenixcontact.com/gb/products/1071316>

Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2C/ R4XC5-2,54 - 1071318

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



Light guides, 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/ R4XC9-2,54 - 1071321

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



Light guides, 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 45 OT-MSTBO SET

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Fiber optic

Fiber optic - HS LC-H-D2C/ R4XC10-2,54 - 1071329

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

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



Shield connection clamp

Shield connection clamp - ME-SAS - 2853899

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

Shield connection clamp for terminal points starting from 2.5 mm²



Upper part of housing - ME 45 OT-MSTBO SET

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Shield connection clamp

Shield connection clamp - ME-SAS MINI - 2200456

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

Shield connection clamp for terminal points starting from 1.5 mm²



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