

# Upper part of housing - ME 45 OT-MSTBO SET KMGY



2869032

<https://www.phoenixcontact.com/pc/products/2869032>

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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: light grey (7035)



## 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	2869032
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	ACHAAD
GTIN	4017918920579
Weight per Piece (including packing)	106.47 g
Weight per Piece (excluding packing)	90.97 g
Customs tariff number	85366990
Country of origin	DE

# Upper part of housing - ME 45 OT-MSTBO SET KMGY



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## Set consists of

### Upper part of housing

Upper part of housing - ME 45 OT-MSTBO KMGY - 2854429

<https://www.phoenixcontact.com/pc/products/2854429>

DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)



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### PCB header

PCB header - MSTBO 2,5/ 4-G1L KMGY - 2907774

<https://www.phoenixcontact.com/pc/products/2907774>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBO 2,5/..-G1L, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, locking: without, type of packaging: packed in cardboard, Product with pin output on left side

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## PCB header

PCB header - MSTBO 2,5/ 4-G1R KMGY - 2907787

<https://www.phoenixcontact.com/pc/products/2907787>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Male connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBO 2,5/...-G1R, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, number of solder pins per potential: 1, locking: without, type of packaging: packed in cardboard, Product with pin output on right side

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## PCB connector

PCB connector - MSTBT 2,5/ 4-ST KMGY - 1878037

<https://www.phoenixcontact.com/pc/products/1878037>



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: light grey, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MSTBT 2,5/...-ST, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, pin layout: Linear pinning, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard

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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	32 (pitch: 5 mm)
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	light grey (7035)
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 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	2
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

## 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

 <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	250 V	12 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	250 V	12 A	30 - 12	-
Use group D	300 V	10 A	30 - 12	-

<b>cULus Recognized</b>				
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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 45 OT-MSTBO SET KMGY



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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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## Mandatory Accessories

### Mounting base housing

Mounting base housing - ME 45 UT KMGY - 2709655

<https://www.phoenixcontact.com/pc/products/2709655>



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: light grey (7035), cross connection: without bus connector, number of positions cross connector: not relevant

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### Mounting base housing

Mounting base housing - ME 45 UT/FE BUS/10 KMGY - 2854063

<https://www.phoenixcontact.com/pc/products/2854063>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

# Upper part of housing - ME 45 OT-MSTBO SET KMGY

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UT BUS/10 KMGY - 2200259

<https://www.phoenixcontact.com/pc/products/2200259>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 10, Bus connector: 10 parallel contacts

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## Mounting base housing

Mounting base housing - ME 45 UT/FE KMGY - 2853242

<https://www.phoenixcontact.com/pc/products/2853242>



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: light grey (7035), cross connection: without bus connector, number of positions cross connector: not relevant

# Upper part of housing - ME 45 OT-MSTBO SET KMGY

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UT/FE1 BUS/10+2 KMGY - 2202688

<https://www.phoenixcontact.com/pc/products/2202688>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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## Mounting base housing

Mounting base housing - ME 45 UTG/FE1 KMGY - 2914767

<https://www.phoenixcontact.com/pc/products/2914767>



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: light grey (7035), cross connection: without bus connector, number of positions cross connector: not relevant

2869032

<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UTG/FE KMGY - 2202706

<https://www.phoenixcontact.com/pc/products/2202706>



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: light grey (7035), 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 TBUS KMGY - 2914848

<https://www.phoenixcontact.com/pc/products/2914848>



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: light grey (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 5

# Upper part of housing - ME 45 OT-MSTBO SET KMGY

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UT/FE BUS/ 5+2 KMGY - 2201858

<https://www.phoenixcontact.com/pc/products/2201858>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial contacts

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## Intermediate element

Intermediate element - ME 45 UTM KMGY - 2697437

<https://www.phoenixcontact.com/pc/products/2697437>



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: light grey (7035), cross connection: without bus connector, number of positions cross connector: not relevant

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UT TBUS KMGY - 2869511

<https://www.phoenixcontact.com/pc/products/2869511>



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: light grey (7035), 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/BUS/10+2 KMGY - 2200739

<https://www.phoenixcontact.com/pc/products/2200739>



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: light grey (7035), 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 KMGY

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UT/FE BUS/10+2 KMGY - 2695536

<https://www.phoenixcontact.com/pc/products/2695536>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 parallel contacts, 2 serial contacts

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## Mounting base housing

Mounting base housing - ME 45 UT/FE1 TBUS KMGY - 2200335

<https://www.phoenixcontact.com/pc/products/2200335>



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: light grey (7035), cross connection: DIN rail connector (optional), number of positions cross connector: 5

# Upper part of housing - ME 45 OT-MSTBO SET KMGY

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<https://www.phoenixcontact.com/pc/products/2869032>

## Mounting base housing

Mounting base housing - ME 45 UTG KMGY - 2853802

<https://www.phoenixcontact.com/pc/products/2853802>



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: light grey (7035), cross connection: without bus connector, number of positions cross connector: not relevant

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## Mounting base housing

Mounting base housing - ME 45 UT BUS/5 KMGY - 2201854

<https://www.phoenixcontact.com/pc/products/2201854>



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: light grey (7035), cross connection: integrated bus connector, number of positions cross connector: 5, Bus connector: 5 parallel contacts

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## Accessories

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<https://www.phoenixcontact.com/pc/products/2869032>

## Filler plugs

Filler plugs - ME B-22,5 MKDSO GN - 2907143

<https://www.phoenixcontact.com/pc/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 (6021)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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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<https://www.phoenixcontact.com/pc/products/2869032>

## Fiber optic

Fiber optic - HS LC-H-5X2/ R1XC1 - 2202314

<https://www.phoenixcontact.com/pc/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)



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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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/pc/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)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

Fiber optic - HS LC-H-D2/ R2XC5-2,54 - 2202318

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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/pc/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)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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)

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<https://www.phoenixcontact.com/pc/products/2869032>

## Fiber optic

Fiber optic - HS LC-H-D2/ R4XC9-2,54 - 2202322

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

Fiber optic - HS LC-H-D2C/ R2XC1-2,54 - 1036658

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

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

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



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-D2C/ R2XC5-2,54 - 1071310

<https://www.phoenixcontact.com/pc/products/1071310>



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-D2C/ R2XC10-2,54 - 1071314

<https://www.phoenixcontact.com/pc/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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## Fiber optic

Fiber optic - HS LC-H-D2C/ R4XC2-2,54 - 1071316

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



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-D2C/ R4XC5-2,54 - 1071318

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

Fiber optic - HS LC-H-D2C/ R4XC9-2,54 - 1071321

<https://www.phoenixcontact.com/pc/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)

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## Fiber optic

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

<https://www.phoenixcontact.com/pc/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 45 OT-MSTBO SET KMGY



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## Shield connection clamp

Shield connection clamp - ME-SAS - 2853899

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

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



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## Shield connection clamp

Shield connection clamp - ME-SAS MINI - 2200456

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

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



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