

## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

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DIN rail housing, Upper housing part for connectors with header, width: 12.6 mm, height: 99 mm, depth: 45.85 mm, color: red (3001)



### Your advantages

- Item is from the ME product range
- Tool-free mounting
- Available in overall widths from 12.5 mm to 90 mm, modular extension is possible
- Inflammability class V0 according to UL 94
- Variety of connection technologies
- Can be mounted on the DIN rail
- Optional bus connector that is either integrated or mounted on the DIN rail



### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	
GTIN	4046356012195

### Technical data

#### Item properties

Brief article description	Upper part of housing
Type	ME 12,5 OT-MSTBO RD
Order No.	2697563
Housing type	DIN rail housing
Type	Upper housing part for connectors with header
Max. IP code to attain	IP20
Mounting type	Latching with lower housing part
Connection levels	2 (Both sides)

# Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

## Technical data

### Item properties

Max. number of positions	12 (pitch: 3.5 mm)
	8 (pitch: 5 mm)

### Dimensions

Width [ w ]	12.6 mm
Height [ h ]	99 mm
Depth [ d ]	45.85 mm
Depth from base support surface [d]	38.5 mm

### Material data

Housing material	Polyamide
Color (RAL)	red (3001)
Flammability rating according to UL 94	V0

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 105 °C (depending on power dissipation)
Relative humidity (storage/transport)	80 %

### PCB data

Number of PCB holders	1
PCB thickness	1.4 mm ... 1.8 mm
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

### Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
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### Mechanical strength/tumbling barrel

Specification	IEC 60998-1:2002-12
Height of fall	50 cm
Number of drop cycles	10

### 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

### Shock

Specification	IEC 60068-2-27:2008-02
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### Technical data

#### Shock

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.)

#### Thermostability (Ball Thrust Test)

Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N

#### Test for assessing the risk of fire (glow wire)

Specification	DIN EN 60695-2-11 (VDE 0471-2-11):2014-11
Temperature	850 °C
Time of exposure	30 s

#### Degrees of protection provided by housings (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP20

#### General information

Type of note	Assembly instruction:
Note	Refer to the data sheet for the range in the download area.
Type of note	Recommendation
Note	Material of contact pads for bus connector, galvanic gold (hard gold)

#### Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.
Outer packaging type	Carton

#### Standards and regulations

Flammability rating according to UL 94	V0
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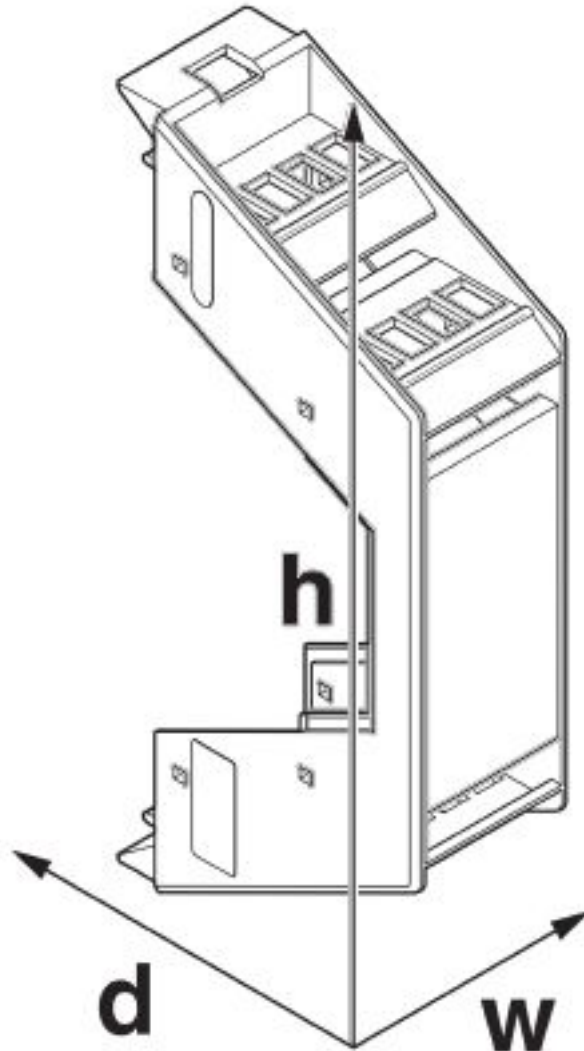
#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

Dimensional drawing



### Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 4.0	27180400
eCl@ss 4.1	27180400
eCl@ss 5.0	27180500
eCl@ss 5.1	27180500
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

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## Classifications

### ETIM

ETIM 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	EC001031
ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501
UNSPSC 18.0	31261501
UNSPSC 19.0	31261501
UNSPSC 20.0	31261501
UNSPSC 21.0	31261501

## Accessories

### Accessories

#### Fiber optic

Fiber optic - HS LC-H-D3/ R1XC1 - 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 - HS LC-H-5X2/ R1XC1 - 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 12,5 OT-MSTBO RD - 2697563

### Accessories

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

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

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

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

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

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

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

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

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Fiber optic - HS LC-H-D2C/ R2XC5-2,54 - 1071310



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 - HS LC-H-D2C/ R2XC10-2,54 - 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)

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### Filler plug

Filler plugs - ME B-12,5 MSTBO KMGY - 2854801



DIN rail housing, Filler plug for unoccupied terminal points, color: light gray (7035)

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### Mounting material

## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

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Shield connection clamp - ME-SAS MINI - 2200456



Shield connection clamp for PCB terminal blocks up to 1.5 mm<sup>2</sup>

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### Necessary add-on products

Feed-through header - MCO 1,5/ 3-G1L-3,5 KMGY - 2278319



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 3, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Feed-through header - MCO 1,5/ 3-G1R-3,5 KMGY - 2278322



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 3, pitch: 3.5 mm, color: light gray, contact surface: Tin, mounting: Soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Printed-circuit board connector - MC 1,5/ 3-ST-3,5 GY7035 - 1769061



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L THRR32 BK AU - 1077609



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1PL BK - 2200490



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1PL GY7035 - 2200330



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 2-G1R KMGY AU - 1077604



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1R THRR32 BK AU - 1077610



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L THRR32 BK - 2200251



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Feed-through header - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252



PCB headers, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1L KMGY AU - 1077603



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 2-G1R KMGY - 2854791



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1R - 1861044



PCB headers, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L KMGY - 2854788



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

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Feed-through header - MSTBO 2,5/ 2-G1L - 1861057



PCB headers, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1L YE - 2200357



PCB headers, number of positions: 2, pitch: 5 mm, color: yellow, pin layout: Linear pinning, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1PR GY7035 - 2200331



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 2-G1L BK VPE500 - 2201390



PCB terminal block

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1R BUGY - 2854283



PCB headers, number of positions: 2, pitch: 5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1R OG - 2709215



PCB headers, number of positions: 2, pitch: 5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1L GY - 2200238



Header

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Feed-through header - MSTBO 2,5/ 2-G1R YE - 2200363



PCB headers, number of positions: 2, pitch: 5 mm, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1R BK VPE500 - 2201391



PCB headers, number of positions: 2, pitch: 5 mm, Article with lateral pin exit

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L BU - 2735632



PCB terminal block

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Feed-through header - MSTBO 2,5/ 2-G1R BU - 2854296



PCB headers, number of positions: 2, pitch: 5 mm, pin layout: Linear pinning, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1R BK - 2908964



PCB headers, number of positions: 2, pitch: 5 mm, pin layout: Linear pinning, Article with lateral pin exit

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Feed-through header - MSTBO 2,5/ 2-G1L RD - 1945643



PCB headers, number of positions: 2, pitch: 5 mm, pin layout: Linear pinning

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Feed-through header - MSTBO 2,5/ 2-G1L BK - 2908951



PCB headers, number of positions: 2, pitch: 5 mm, pin layout: Linear pinning

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L BUGY - 2853132



PCB terminal block

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Printed-circuit board connector - PSPT 2,5/ 2-ST BU - 2203510



PCB connector, number of positions: 2, color: blue, contact surface: Tin

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Printed-circuit board connector - PSPT 2,5/ 2-ST KMGY - 2202346



PCB connector, nominal current: 16 A, rated voltage (III/2): 300 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 2, pitch: 5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin, Color of the spring lever: orange

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Printed-circuit board connector - PSPT 2,5/ 2-ST YE - 2203438



PCB connector, number of positions: 2, color: yellow, contact surface: Tin

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Printed-circuit board connector - PSPT 2,5/ 2-ST BK - 2203509



PCB connector, number of positions: 2, color: black, contact surface: Tin

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## Upper part of housing - ME 12,5 OT-MSTBO RD - 2697563

### Accessories

Printed-circuit board connector - PSPT 2,5/ 2-ST GY - 2203437



PCB connector, number of positions: 2, color: traffic grey, contact surface: Tin

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Printed-circuit board connector - MSTBT 2,5 HC/ 2-STP BK - 2200484



PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 2, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin

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Printed-circuit board connector - MSTBT 2,5 HC/ 2-STP GY7035 - 2200334



PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 2, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

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