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DIN rail housing, Upper housing part for connectors with header, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: red (3001)

#### Your advantages

- Item is from the ME product range
- ☑ Tool-free mounting
- Mathematical 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	4 017918 879723
GTIN	4017918879723
Weight per Piece (excluding packing)	19.430 g
Custom tariff number	85472000
Country of origin	Germany

### Technical data

#### Item properties

Brief article description	Upper part of housing
Туре	ME 45 OT-MSTBO RD
Order No.	2709480
Housing type	DIN rail housing
Туре	Upper housing part for connectors with header



## Technical data

#### Item properties

Max. IP code to attain	IP20
Mounting type	Latching with lower housing part
Connection levels	2 (Both sides)
Max. number of positions	40 (pitch: 3.5 mm)
	32 (pitch: 5 mm)
	24 (pitch: 7.25 mm)

#### Dimensions

Width [ w ]	45.2 mm
Height [ h ]	99 mm
Depth [ d ]	45.85 mm
Depth from base support surface [d]	38.5 mm

#### Material data

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

#### 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	2
PCB thickness	1.4 mm 1.8 mm
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

### 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



## Technical data

### Shock

OHOOK	
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.)
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)
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### Packaging information

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

#### Standards and regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### **Environmental Product Compliance**

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



## Classifications

### eCl@ss

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

#### 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

## Approvals

#### Approvals

#### Approvals

cUL Recognized / cULus Recognized

#### Ex Approvals

Approval details



## Approvals

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cUL Recognized	c <b>FU</b> http://database.u	.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425
Nominal voltage UN		300 V
Nominal current IN		10 A
mm²/AWG/kcmil		30-12

cULus Recognized



### 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)

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





### Accessories

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)

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)

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)

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)

Fiber optic - HS LC-H-D2/ R4XC2-2,54 - 2202320





### Accessories

Fiber optic - HS LC-H-D2/ R4XC5-2,54 - 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 - HS LC-H-D2/ R4XC9-2,54 - 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)

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

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





### Accessories

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)

#### 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)

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

#### Fiber optic - HS LC-H-D2C/ R4XC5-2,54 - 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 - HS LC-H-D2C/ R4XC9-2,54 - 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)

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





#### Accessories

Filler plug

Filler plugs - ME B-22,5 MSTBO RD - 2854542

DIN rail housing, Filler plug for unoccupied terminal points, color: red (3001)

#### Mounting material

Shield connection clamp - ME-SAS - 2853899



Shield connection clamp for printed circuit terminal block

Shield connection clamp - ME-SAS MINI - 2200456



Shield connection clamp for printed circuit terminal block

Necessary add-on products

Feed-through header - MCO 1,5/ 5-G1L-3,5 KMGY - 2278380



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

Feed-through header - MCO 1,5/ 5-G1R-3,5 KMGY - 2278351



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



### Accessories

Printed-circuit board connector - MC 1,5/ 5-ST-3,5 GY7035 - 1769087



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 5-ST-3,5 - 1840395



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

MC 1,5/ 5-ST-3,5 BU - 1072487

PCB connector, number of positions: 5, pitch: 3.5 mm, color: blue, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 5-ST-3,5 GY7031 - 1711176



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: blue grey, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 5-ST-3,5 BK - 1876343



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 - 1952296



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



### Accessories

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 YE - 1048844



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: yellow, contact surface: Tin

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 GY AU - 1746644



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: gray, contact surface: Gold

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 BK - 1705000



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 GY - 1729328



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: gray, contact surface: Tin

Printed-circuit board connector - FMC 1,5/ 5-ST-3,5 GY7035 - 1773581



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin



### Accessories

Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,5 - 1939947



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,5 GY7035 - 1773604



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/ 5-ST-3,5 BK - 1800274



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

PCB connector - FK-MCP 1,5/ 5-ST-3,5 GY7031 - 1705329



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: blue grey, contact surface: Tin

PCB connector - FK-MCP 1,5/ 5-ST-3,5 YE - 1096427



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 5, pitch: 3.5 mm, connection method: Push-in spring connection, color: yellow, contact surface: Tin



### Accessories

Feed-through header - MSTBO 2,5/ 4-G1L - 1861060



PCB headers, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1L THRR44 BK AU - 1077613



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1L THRR44 BK - 2697194



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 2.5 mm

Feed-through header - MSTBO 2,5/ 4-G1L THR BK - 2709749



PCB headers, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1L KMGY AU - 1077607



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning



### Accessories

Feed-through header - MSTBO 2,5/ 4-G1L KMGY - 2907774



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

#### Feed-through header - MSTBO 2,5/ 4-G1L OG - 2200383



PCB headers, color: orange, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R - 1861073



PCB headers, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R THR BK - 2709752



PCB headers, pitch: 5 mm, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R THRR44 BK AU - 1077614



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Gold, pin layout: Linear pinning, solder pin [P]: 2.5 mm, Article with lateral pin exit



### Accessories

Feed-through header - MSTBO 2,5/ 4-G1R THRR44 BK - 2697204



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R KMGY AU - 1077608



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R KMGY - 2907787



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1R OG - 2200384



PCB headers, pitch: 5 mm, color: orange, pin layout: Linear pinning, solder pin [P]: 3.5 mm, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1PL GY7035 - 2200325



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, Article with lateral pin exit



### Accessories

Feed-through header - MSTBO 2,5/ 4-G1PL BK - 2200485



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1PL BUGY - 2200551



PCB headers, number of positions: 4, pitch: 5 mm, color: blue grey, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1PR BK - 2200486



PCB headers, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1PR GY7035 - 2200326



PCB headers, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, Article with lateral pin exit

Feed-through header - MSTBO 2,5/ 4-G1PR BUGY - 2200552



PCB headers, number of positions: 4, pitch: 5 mm, color: blue grey, pin layout: Linear pinning, Article with lateral pin exit



### Accessories

Printed-circuit board connector - PSPT 2,5/ 4-ST KMGY - 2202344



PCB connector, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin

Printed-circuit board connector - PSPT 2,5/ 4-ST BU - 1036975 PCB connector, number of positions: 4

Printed-circuit board connector - PSPT 2,5/ 4-ST GY - 1036976 PCB connector, number of positions: 4

Printed-circuit board connector - PSPT 2,5/ 4-ST BK - 2202757



PCB connector, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP BK - 2200482



PCB connector, number of positions: 4, pitch: 5 mm, color: black, contact surface: Tin

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP GY7035 - 2200332



PCB connector, number of positions: 4, pitch: 5 mm, color: light gray, contact surface: Tin



### Accessories

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP BU - 1009166



PCB connector, number of positions: 4, pitch: 5 mm, contact surface: Tin

Printed-circuit board connector - MSTBT 2,5 HC/ 4-STP BUGY - 2201085



PCB connector

Feed-through header - GMSTBO 2,5 HV/ 3-GL-7,25 THR - 2199663



PCB headers, number of positions: 3, pitch: 7.25 mm, pin layout: Linear pinning

Feed-through header - GMSTBO 2,5 HV/3-GL-7,25 THRR44 - 2200263



PCB headers, number of positions: 3, pin layout: Linear pinning

Feed-through header - GMSTBO 2,5 HV/ 3-GR-7,25 THR - 2199566



PCB headers, number of positions: 3, pitch: 7.25 mm, pin layout: Linear pinning



### Accessories

Feed-through header - GMSTBO 2,5 HV/3-GR-7,25 THRR44 - 2200262



PCB headers, number of positions: 3, pin layout: Linear pinning

Printed-circuit board connector - GMSTBT 2,5 HV/3-ST-7,25 GY7035 - 2199553



PCB connector, number of positions: 3, pitch: 7.25 mm, color: light gray, contact surface: Tin

Printed-circuit board connector - GMSTBT 2,5 HV/3-ST-7,25 YE - 1080380



PCB connector, number of positions: 3

Printed-circuit board connector - GMSTBT 2,5 HV/3-ST-7,25 BUGY - 2201084



PCB connector, number of positions: 3

Printed-circuit board connector - GMSTBT 2,5 HV/3-ST-7,25 BK - 2202104



PCB connector, number of positions: 3

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### Accessories

Mounting base housing - ME 45 UTG RD - 2709477



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, cross connection: without bus connector, number of positions cross connector: not relevant, color: red (3001)

#### Mounting base housing - ME 45 UT RD - 2709972



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, cross connection: without bus connector, number of positions cross connector: not relevant, color: red (3001)

#### Mounting base housing - ME 45 UT/FE1 TBUS RD - 2202393



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: red (3001)

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