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DIN rail housing, Upper housing part for connectors with header, width: 35.2 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 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 902414
GTIN	4017918902414
Weight per Piece (excluding packing)	17.600 g
Custom tariff number	85389099
Country of origin	Germany

### Technical data

#### Item properties

Brief article description	Upper part of housing
Туре	ME 35 OT-MSTBO GN
Order No.	2709639
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	32 (pitch: 3.5 mm)
	24 (pitch: 5 mm)
	16 (pitch: 7.25 mm)

### Dimensions

Width [ w ]	35.2 mm
Height [ h ]	99 mm
Depth [ d ]	45.85 mm
Depth from base support surface [d]	38.5 mm

#### Material data

Color (RAL)	green (6021)
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

Shock



## Technical data

### Shock

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)

### 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

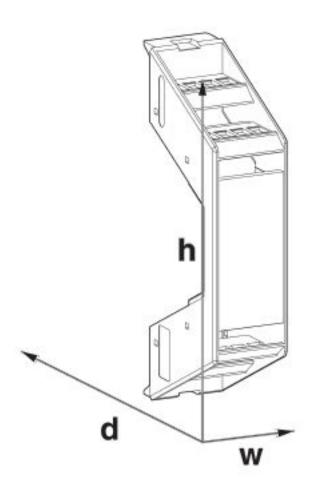
### **Environmental Product Compliance**

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

## Drawings



Dimensional drawing



## 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



## 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

## Approvals

Approvals

Approvals

UL Recognized / EAC

Ex Approvals

### Approval details

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 240868

EAC **E**HI B.01742

### Accessories

Accessories

Fiber optic



### Accessories

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



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/ 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)



### Accessories

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



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/ 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)



### Accessories

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



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/ 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)



### Accessories

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



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

#### Filler plug

Filler plugs - ME B-17,5 MSTBO GN - 2906869



DIN rail housing, Filler plug for unoccupied terminal points, color: green (6021)

Filler plugs - ME B-17,5 MSTBO GN VPE 500 - 2713421



Component housing, Filler plug for unoccupied terminal points, color: green (6021)



#### Accessories

#### 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/ 4-G1R-3,5 KMGY - 2278377



PCB headers, number of positions: 4, pitch: 3.5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3 mm, Article with lateral pin exit

Feed-through header - MCO 1,5/ 4-G1L-3,5 KMGY - 2278364



PCB headers, number of positions: 4, pitch: 3.5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3 mm, Article with lateral pin exit

Printed-circuit board connector - MC 1,5/4-ST-3,5 - 1840382



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



#### Accessories

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 BK AU - 1835244



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Gold

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 YE - 1703434



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: yellow, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 GY7035 - 1769074



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: light gray, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 BU - 1724310



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: blue, contact surface: Tin

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 GY - 1747559



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: gray, contact surface: Tin



#### Accessories

Printed-circuit board connector - MC 1,5/ 4-ST-3,5 AU - 1845086



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Gold

Printed-circuit board connector - FMC 1,5/4-ST-3,5 - 1952283



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FMC 1,5/4-ST-3,5 GY AU - 1746631



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: gray, contact surface: Gold

Printed-circuit board connector - FMC 1,5/ 4-ST-3,5 BK - 1704999



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

Printed-circuit board connector - FMC 1,5/ 4-ST-3,5 GY - 1711257



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: gray, contact surface: Tin



#### Accessories

Printed-circuit board connector - FMC 1,5/4-ST-3,5 GY7035 - 1773578



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/4-ST-3,5 - 1939934



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/ 4-ST-3,5 GY7035 - 1773594



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: light gray, contact surface: Tin

Printed-circuit board connector - FK-MCP 1,5/4-ST-3,5 AU - 1708286



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Gold

Printed-circuit board connector - FK-MCP 1,5/ 4-ST-3,5 VPE1000 - 1703939



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



### Accessories

Printed-circuit board connector - FK-MCP 1,5/4-ST-3,5 BK - 1800272



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 4, pitch: 3.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

Feed-through header - MSTBO 2,5/3 G1L THRR44 BK AU - 1077611



PCB headers, number of positions: 3, 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 2,5/3 G1R THRR44 BK AU - 1077612



PCB headers, number of positions: 3, 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 2,5/3 G1L THRR44 BK - 2915216



PCB headers, number of positions: 3, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

Feed-through header - MSTBO 2,5/3 G1R THRR44 BK - 2915229



PCB headers, number of positions: 3, pitch: 5 mm, color: black, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm



### Accessories

Feed-through header - MSTBO 2,5/ 3-G1L KMGY AU - 1077605



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/3-G1R KMGY AU - 1077606



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Gold, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1L KMGY - 2853750



PCB headers, number of positions: 3, 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/ 3-G1PR GY7035 - 2200329



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1PL GY7035 - 2200328



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning



### Accessories

Feed-through header - MSTBO 2,5/ 3-G1R - 1861031



PCB headers, number of positions: 3, 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/ 3-G1R KMGY - 2853763



PCB headers, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin, pin layout: Linear pinning, solder pin [P]: 3.5 mm

Feed-through header - MSTBO 2,5/3-G1R LBGY - 2200382



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

Feed-through header - MSTBO 2,5/3-G1L - 1861028



PCB headers, number of positions: 3, 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/ 3-G1L YE - 2200111



PCB headers, number of positions: 3, pitch: 5 mm



### Accessories

Feed-through header - MSTBO 2,5/ 3-G1L OG - 2200371



PCB headers

Feed-through header - MSTBO 2,5/3-G1L GYWH - 2278487



PCB headers, number of positions: 3, pitch: 5 mm

Feed-through header - MSTBO 2,5/3-G1R YE - 2200110



PCB headers, number of positions: 3, pitch: 5 mm

Feed-through header - MSTBO 2,5/ 3-G1L RD - 2695918



PCB headers, number of positions: 3, pitch: 5 mm

Feed-through header - MSTBO 2,5/ 3-G1R OG - 2200377



PCB headers



### Accessories

Feed-through header - MSTBO 2,5/ 3-G1R GYWH - 2278490



PCB headers, number of positions: 3, pitch: 5 mm

Feed-through header - MSTBO 2,5/ 3-G1R RD - 2278296



PCB headers, number of positions: 3, pitch: 5 mm

Feed-through header - MSTBO 2,5/ 3-G1R BU - 2854733



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/3-G1L GY - 2909549



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1L BU - 2854720



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning



### Accessories

Feed-through header - MSTBO 2,5/3-G1R BK - 2909633



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1L BK - 2909646



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1R GY - 2909552



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1R BUGY - 2853158



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning

Feed-through header - MSTBO 2,5/ 3-G1L BUGY - 2853145



PCB headers, number of positions: 3, pitch: 5 mm, pin layout: Linear pinning



### Accessories

Printed-circuit board connector - PSPT 2,5/ 3-ST KMGY - 2202345



PCB connector, nominal cross section: 2.5 mm², number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin

Printed-circuit board connector - PSPT 2,5/ 3-ST BU - 1064204



PCB connector, number of positions: 3, pitch: 5 mm, color: blue

Printed-circuit board connector - PSPT 2,5/ 3-ST GY - 1064205



PCB connector, number of positions: 3, pitch: 5 mm, color: light gray

Printed-circuit board connector - PSPT 2,5/ 3-ST GYBN - 2200876



PCB connector, number of positions: 3, pitch: 5 mm, color: grey brown

Printed-circuit board connector - MSTBT 2,5 HC/ 3-STP BK - 2200483



PCB connector, number of positions: 3, pitch: 5 mm, color: black, contact surface: Tin



### Accessories

Printed-circuit board connector - MSTBT 2,5 HC/ 3-STP GY7035 - 2200333



PCB connector, number of positions: 3, pitch: 5 mm, color: light gray, contact surface: Tin

Printed-circuit board connector - MSTBT 2,5 HC/ 3-STP BU - 2203845



PCB connector, number of positions: 3, pitch: 5 mm, color: blue, contact surface: Tin

Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25 THR - 2199867



PCB headers, number of positions: 2, pitch: 7.25 mm, pin layout: Linear pinning

Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703



PCB headers, number of positions: 2, pitch: 7.25 mm, pin layout: Linear pinning

Feed-through header - GMSTBO 2,5 HV/ 2-GR-7,25 THR - 2199760



PCB headers, number of positions: 2, pitch: 7.25 mm, pin layout: Linear pinning



### Accessories

Feed-through header - GMSTBO 2,5 HV/ 2-GR-7,25THRR32 - 2279606



PCB headers, pin layout: Linear pinning

Printed-circuit board connector - GMSTBT 2,5 HV/2-ST-7,25 GY7035 - 2199757



PCB connector, number of positions: 2, pitch: 7.25 mm, color: light gray, contact surface: Tin

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