

## Mounting base housing - ME 22,5 UT/FE BUS/10+2 BK - 2278254

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DIN rail housing, Lower housing part with metal foot catch, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, cross connection: integrated bus connector, number of positions cross connector: 10+2, color: black (9005)

### 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
GTIN	
GTIN	4046356289023
Weight per Piece (excluding packing)	42.530 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Item properties

Brief article description	Mounting base housing
Type	ME 22,5 UT/FE BUS/10+2 BK
Order No.	2278254
Housing type	DIN rail housing
Type	Lower housing part with metal foot catch, tall design

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## Technical data

### Item properties

Max. IP code to attain	IP20
Mounting type	DIN rail mounting
Ventilation openings present	yes

### Dimensions

Width [ w ]	22.6 mm
Height [ h ]	99 mm
Depth [ d ]	107.3 mm
Depth from top edge of DIN rail [ d ]	99.8 mm
Depth from top edge of DIN rail to support point on upper part [ d ]	68.5 mm

### Material data

Color (RAL)	black (9005)
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	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
Reduction factor	1
Mounting position	vertical
Power dissipation	6.1 W

### Power dissipation, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	5.5 W

### Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	4.9 W

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## Technical data

### Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	4.3 W

### Power dissipation, single housing at 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	3.5 W

### 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
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)

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## Technical data

### 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

## 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

# Mounting base housing - ME 22,5 UT/FE BUS/10+2 BK - 2278254

## Classifications

### 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

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Approvals

UL Recognized / EAC

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Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 240868
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EAC		B.01742
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## Accessories

### Accessories

#### Mounting material

Components of electronic housing - ME LPZS - 2906911



Component housing, PCB stop

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### Accessories

Shield connection clamp - ME-SAS - 2853899

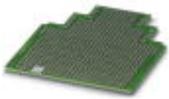


Shield connection clamp for printed circuit terminal block

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### PCB

PCB - ME LP - 2906908



PCB, for custom fitting, with contact to DIN rail (EN 60715)

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### PCB plug

Printed-circuit board connector - MC 1,5/10-ST-3,81 BK - 1839733



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 10, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin, pin layout: Linear three-way pinning

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Printed-circuit board connector - MC 1,5/10-ST-3,81 BK AU - 1771978



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 10, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Gold, pin layout: Linear three-way pinning

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Printed-circuit board connector - IMC 1,5/10-ST-3,81 BK AU - 1770746



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 10, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Gold

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### Accessories

#### Printed-circuit board connector - IMC 1,5/ 2-ST-3,81 BK - 1766954

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin



#### Printed-circuit board connector - MC 1,5/ 2-ST-3,81 BK - 1827635

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 2, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin, pin layout: Linear three-way pinning



### Necessary add-on products

#### Upper part of housing - ME 22,5 OT-FKDSO BK - 2200838

DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: black (9005)



#### Upper part of housing - ME 22,5 OT-MSTBO BK - 2908980

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: black (9005)



#### Upper part of housing - ME 22,5 OT-3MSTBO BK - 2901233

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: black (9005)



## Mounting base housing - ME 22,5 UT/FE BUS/10+2 BK - 2278254

### Accessories

Upper part of housing - ME 22,5 OT-MKDSO BK - 2908414



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: black (9005)

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Upper part of housing - ME 22,5 OT-1MSTBO BK - 2707495



DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: black (9005)

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