ME 90 UT/FE BUS/10 KMGY - Mounting base housing

2200540

https://www.phoenixcontact.com/us/products/2200540

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DIN rail housing, Lower housing part with metal foot catch, with 4 FE contacts, tall design, with vents, width: 90.4 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

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	2200540
Packing unit	1 pc
Minimum order quantity	8 pc
Note	Made to order (non-returnable)
Sales key	AC08
Product key	ACHAAB
Catalog page	Page 665 (C-1-2013)
GTIN	4046356608060
Weight per piece (including packing)	140 g
Weight per piece (excluding packing)	140 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Notes

General	Refer to the data sheet for the range in the download area.
General	Material of contact pads for bus connector, galvanic gold (hard gold)

Product properties

Product type	Enclosure bottom part
Product family	ME...UT/FE BUS/10
Type	Lower housing part with metal foot catch, with 4 FE contacts, tall design
Housing type	DIN rail housing
Ventilation openings present	yes
Housing series	ME

Dimensions

Dimensional drawing	
Width	90.4 mm
Height	99 mm
Depth	107.3 mm
Depth from top edge of DIN rail	100.7 mm
Depth from top edge of DIN rail to support point on upper part	68.5 mm

PCB design	
PCB thickness	1.4 mm ... 1.8 mm

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

Power dissipation single housing for 20 °C	
Ambient temperature	20 °C

Reduction factor	1
Mounting position	vertical
Power dissipation	10.4 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	9.5 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	8.4 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	7.3 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	5.9 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	5.1 W

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
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

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

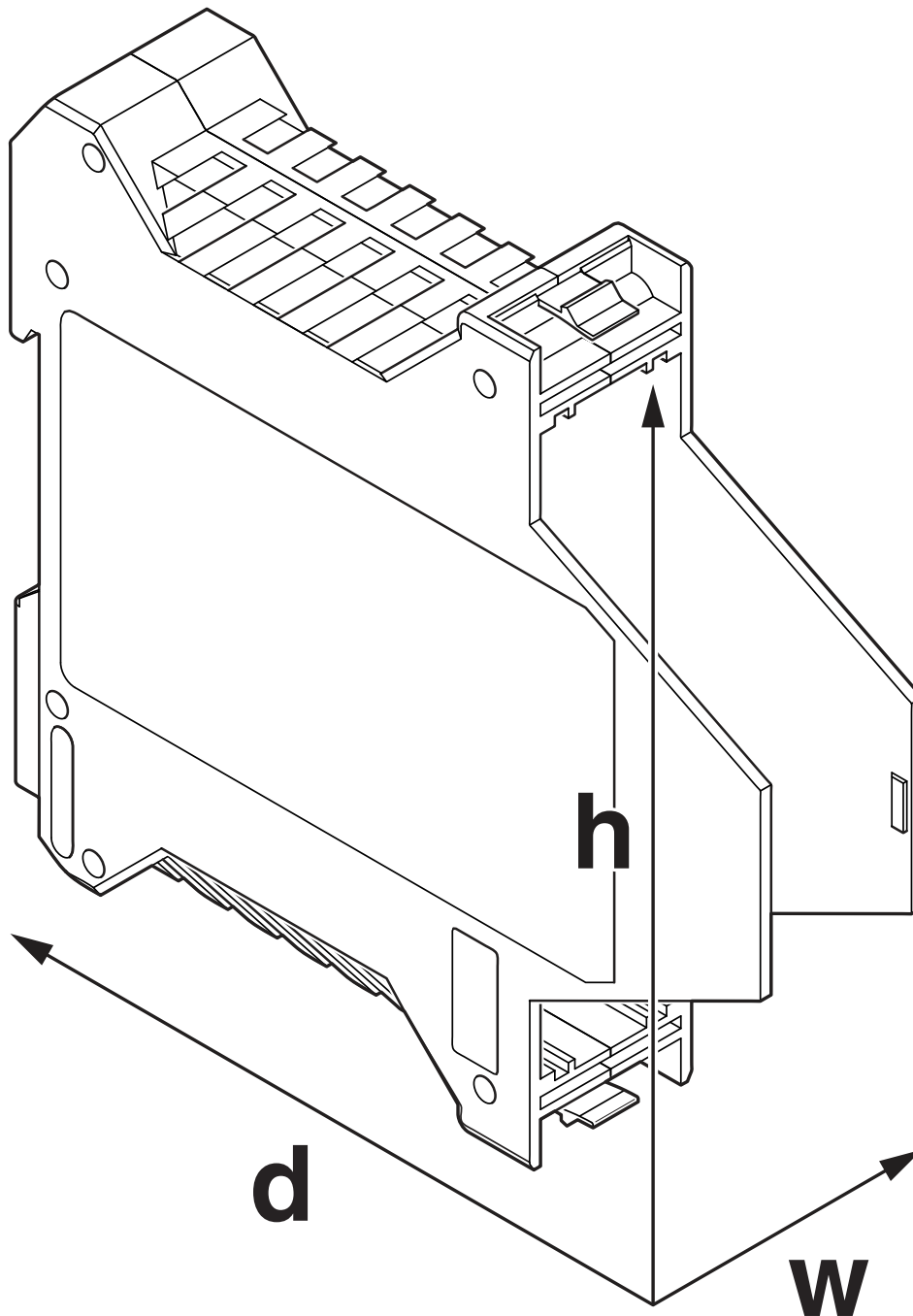|	
Number of PCB holders	4
Type of PCB mount	Insertion (optional latching by PCB stop)
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

Mounting type	DIN rail mounting
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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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.

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 8.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

Environmental product compliance

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

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Mandatory accessories

ME 90 OT-1MSTBO KMGY - Upper part of housing

2200523

https://www.phoenixcontact.com/us/products/2200523

DIN rail housing, Upper housing part for connectors with header, width: 90.4 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

ME 67,5 OT-1MSTBO KMGY - Upper part of housing

2200522

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DIN rail housing, Upper housing part for connectors with header, width: 67.5 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

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ME 45 OT-FKDSO KMGY - Upper part of housing

2200327

https://www.phoenixcontact.com/us/products/2200327

DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

ME 45 OT-MSTBO KMGY - Upper part of housing

2854429

https://www.phoenixcontact.com/us/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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ME 45 OT-MKDSO KMGY - Upper part of housing

2853255

https://www.phoenixcontact.com/us/products/2853255

DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 45.2 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

ME 22,5 OT-MSTBO KMGY - Upper part of housing

2907761

https://www.phoenixcontact.com/us/products/2907761

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

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ME 22,5 OT-FKDSO KMGY - Upper part of housing

2200323

https://www.phoenixcontact.com/us/products/2200323

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: light grey (7035)

ME 22,5 OT-MKDSO KMGY - Upper part of housing

2908469

https://www.phoenixcontact.com/us/products/2908469

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: light grey (7035)

ME 90 UT/FE BUS/10 KMGY - Mounting base housing

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ME 22,5 OTU-MKDSO KMGY - Upper part of housing

2278953

https://www.phoenixcontact.com/us/products/2278953

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: light grey (7035)

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

2914877

https://www.phoenixcontact.com/us/products/2914877

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

ME 90 UT/FE BUS/10 KMGY - Mounting base housing

2200540

https://www.phoenixcontact.com/us/products/2200540

ME 22,5 OT-3MSTBO KMGY - Upper part of housing

2914880

https://www.phoenixcontact.com/us/products/2914880

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 102 mm, depth: 60.15 mm, color: light grey (7035)

ME 22,5 OTP-MSTBO PS KMGY - Upper part of housing

2279282

https://www.phoenixcontact.com/us/products/2279282

DIN rail housing, Upper housing part for connectors with header, width: 22.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (7035)

Accessories

ME 90 UT/FE BUS/10 KMGY - Mounting base housing

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ME LPZS - PCB stop

2906911

https://www.phoenixcontact.com/us/products/2906911

DIN rail housing, after approx. 4 cm, the ME LPZS PCB pull-out stop prevents the PCB from being removed completely and locks the PCB in place

ME-SAS - Shield connection clamp

2853899

https://www.phoenixcontact.com/us/products/2853899

Shield connection clamp for terminal points starting from 2.5 mm^2
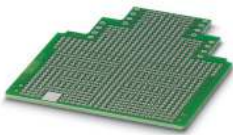
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ME LP - PCB

2906908

https://www.phoenixcontact.com/us/products/2906908

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

MC 1,5/10-ST-3,81 BK - PCB connector

1839733

https://www.phoenixcontact.com/us/products/1839733

PCB connector, nominal cross section: 1.5 mm^2, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: MC 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, pin layout: Linear three-way pinning, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

ME 90 UT/FE BUS/10 KMGY - Mounting base housing

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MC 1,5/10-ST-3,81 BK AU - PCB connector

1771978

https://www.phoenixcontact.com/us/products/1771978

PCB connector, nominal cross section: 1.5 mm^2, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Socket, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: MC 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, pin layout: Linear three-way pinning, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

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

1770746

https://www.phoenixcontact.com/us/products/1770746

PCB connector, nominal cross section: 1.5 mm^2, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Pin, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: IMC 1,5/..-ST, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard

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EML (44X64)R-ME - Label for ME ... UT ... BUS ... housing

0828266

https://www.phoenixcontact.com/us/products/0828266

Label for ME ... UT ... BUS ... housing, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 44 x 64 mm, Number of individual labels: 200

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