

2200538

https://www.phoenixcontact.com/us/products/2200538

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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 (similar RAL 7035), cross connection: integrated bus connector, number of positions cross connector: 5+2, Bus connector: 5 parallel contacts, 2 serial contacts

#### Your advantages

- · Tool-free mounting
- Available in overall widths from 12.5 mm ... 90 mm, modular extension is 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	2200538
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ACHAAB
Catalog page	Page 665 (C-1-2013)
GTIN	4046356608046
Weight per piece (including packing)	140 g
Weight per piece (excluding packing)	140 g
Country of origin	DE



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#### Technical data

#### Notes

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

#### Product properties

Product type	Enclosure bottom part
Housing type	DIN rail housing
Housing series	ME
Product family	ME 90
Max. number of positions	0)
Туре	Lower housing part with metal foot catch, with 4 FE contacts, tall design
Ventilation openings present	yes

#### **Dimensions**

Dimensional drawing	d
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 (Housing)	light grey (RAL 7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	Polyamide
Surface characteristics	untreated

#### Environmental and real-life conditions

Power dissipation single housing for 20 °C



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Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	10.4 W
De continuitation distribution distribution (c. 00 °C)	
Power dissipation single housing for 30 °C	20.00
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
Fower 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 directions	2.5 h
Test directions	X-, Y- and Z-axis
Glow-wire test	
Specification	IEC 60695-2-11:2014-02
Temperature	850 °C



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Time of exposure	30 s
hermal stability / ball thrust test	
Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N
lechanical strength / tumbling barrel	
Specification	IEC 60998-1:2002-12
Height of fall	50 cm
Frequency	10
hocks	
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
mbient conditions	
Max. IP code to attain	IP20
	· ·
Ambient temperature (operation)	-40 °C 105 °C (depending on power dissipation)
Ambient temperature (operation)  Ambient temperature (storage/transport)	-40 °C 105 °C (depending on power dissipation)
Ambient temperature (storage/transport)	
	-40 °C 55 °C
Ambient temperature (storage/transport)  Ambient temperature (assembly)	-40 °C 55 °C -5 °C 100 °C
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)	-40 °C 55 °C -5 °C 100 °C
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders	-40 °C 55 °C -5 °C 100 °C 80 %
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data	-40 °C 55 °C -5 °C 100 °C 80 %
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 55 °C -5 °C 100 °C 80 %  4 Insertion (optional latching by PCB stop)
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount	-40 °C 55 °C  -5 °C 100 °C  80 %  4  Insertion (optional latching by PCB stop)
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 55 °C -5 °C 100 °C 80 %  4 Insertion (optional latching by PCB stop)
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 55 °C  -5 °C 100 °C  80 %  4  Insertion (optional latching by PCB stop)  1.4 mm 1.8 mm
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount  Thickness of the PCB  unting  Mounting type	-40 °C 55 °C  -5 °C 100 °C  80 %  4  Insertion (optional latching by PCB stop)  1.4 mm 1.8 mm  DIN rail mounting
Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  B data  Number of PCB holders  Type of PCB mount  Thickness of the PCB  unting  Mounting type  Mounting position	-40 °C 55 °C  -5 °C 100 °C  80 %  4  Insertion (optional latching by PCB stop)  1.4 mm 1.8 mm  DIN rail mounting

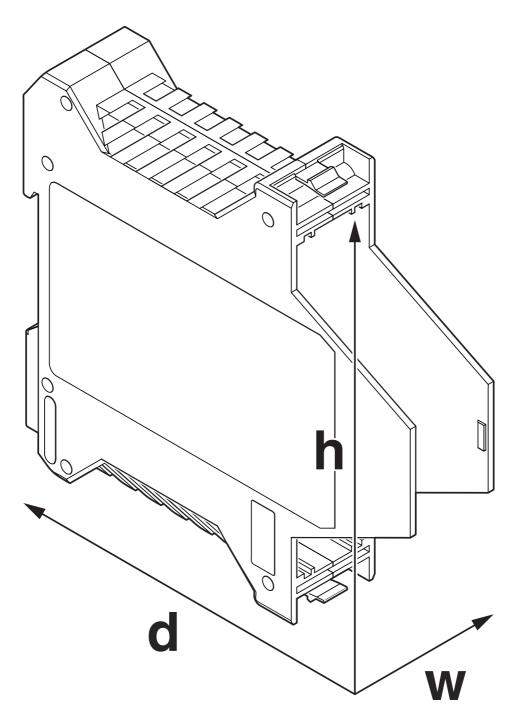


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### Drawings

#### 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.



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### Classifications

#### **ECLASS**

	ECLASS-11.0	27182702
	ECLASS-13.0	27190601
ETIM		
	ETIM 9.0	EC001031
UI	NSPSC	
	UNSPSC 21.0	31261500



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### Environmental product compliance

EU RoHS		
Fulfills EU RoHS substance requirements	Yes, No exemptions	
China RoHS		
Environment friendly use period (EFUP)	EFUP-E	
	No hazardous substances above the limits	
EU REACH SVHC		
REACH candidate substance (CAS No.)	No substance above 0.1 wt%	



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#### Mandatory accessories

ME 90 OT-1MSTBO KMGY - Upper housing part

2200523

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

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

2200522

https://www.phoenixcontact.com/us/products/2200522



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



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#### ME 45 OT-FKDSO KMGY - Upper housing part

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 (similar RAL 7035)

#### ME 45 OT-MSTBO KMGY - Upper housing part

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 (similar RAL 7035)



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#### ME 45 OT-MKDSO KMGY - Upper housing part

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 (similar RAL 7035)

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

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 (similar RAL 7035)





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

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 (similar RAL 7035)

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

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 (similar RAL 7035)



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

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 (similar RAL 7035)

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

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 (similar RAL 7035)



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

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 (similar RAL 7035)

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

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 (similar RAL 7035)

#### Accessories



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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

#### MCVR 1,5/5-ST-3,81 GY7035 AU - PCB connector

1719684

https://www.phoenixcontact.com/us/products/1719684



PCB connector, nominal cross section: 1.5 mm², color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, product range: MCVR 1,5/..-ST, pitch: 3. 81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 90 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard



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#### MC 1,5/ 5-ST-3,81 GY7035 AU - PCB connector

1719697

https://www.phoenixcontact.com/us/products/1719697



PCB connector, nominal cross section: 1.5 mm², color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Socket, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, 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 1,5/5-ST-3,81 GY7035 AU - PCB connectors

1719707

https://www.phoenixcontact.com/us/products/1719707



PCB connector, nominal cross section: 1.5 mm², color: light grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Pin, number of potentials: 5, number of rows: 1, number of positions: 5, number of connections: 5, 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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#### ME B-KA KMGY - Cover

2706302

https://www.phoenixcontact.com/us/products/2706302



Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS terminal opening, (male side)

#### ME B-SA/NS 35 KMGY - Cover

2706700

https://www.phoenixcontact.com/us/products/2706700

Terminal cover, 1 strip covers up to 12 terminal points, for ME-BUS male side, (female side)





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#### ME DH 27 NS 35 KMGY - Spacer

2706289

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Spacer, for protecting the input and output contacts for NS 35 DIN rails



#### ME DH 36 NS 35 KMGY - Spacer

2706292

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Spacers, for protection of the input or output contacts for DIN rail NS 35, width  $\[B\]$  36 mm





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#### E/ME TBUS NS35 GY - End bracket

2713780

https://www.phoenixcontact.com/us/products/2713780



End clamp, stable construction for DIN rail bus connector

#### IMC 1,5/2-ST-3,81 GY - PCB connectors

1703603

https://www.phoenixcontact.com/us/products/1703603



PCB connector, nominal cross section: 1.5 mm², color: gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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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#### IMC 1,5/2-ST-3,81 BK - PCB connectors

1766954

https://www.phoenixcontact.com/us/products/1766954



PCB connector, nominal cross section: 1.5 mm², color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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

#### MC 1,5/2-ST-3,81 BK - PCB connector

1827635

https://www.phoenixcontact.com/us/products/1827635



PCB connector, nominal cross section: 1.5 mm², color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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



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MC 1,5/2-ST-3,81 GY - PCB connector

1894244

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PCB connector, nominal cross section: 1.5 mm², color: gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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

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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