

2854034

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DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 17.6 mm, height: 99 mm, depth: 107.3 mm, color: light grey (similar RAL 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 ... 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	2854034
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ACHAAB
GTIN	4017918458980
Weight per piece (including packing)	48.53 g
Weight per piece (excluding packing)	42.868 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 17,5
Туре	Lower housing parts with vents, housing cover necessary to complete the module
Max. number of positions	0)
Туре	Lower housing part with metal foot catch, with FE contact, tall design
Ventilation openings present	yes

### **Dimensions**

Dimensional drawing	d w		
Width	17.6 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



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Power dissipation single housing for 20 °C	
Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	5.2 W
Power dissipation single housing for 30 °C	
Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	4.7 W
Power dissipation single housing for 40 °C	
Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	4.2 W
Power dissipation single housing for 50 °C	
Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	3.6 W
Power dissipation single housing for 60 °C	
Power dissipation single housing for 60 °C  Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	3 W
Power dissipation single housing for 70 °C	
Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	2.5 W
/ibration 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	IEC 60605 2 11:2014 02
Specification	IEC 60695-2-11:2014-02



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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	
Ambient conditions  Max. IP code to attain	IP20
	IP20 -40 °C 105 °C (depending on power dissipation)
Max. IP code to attain	
Max. IP code to attain  Ambient temperature (operation)	-40 °C 105 °C (depending on power dissipation)
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders  Type of PCB mount	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %  1 Insertion (optional latching by PCB stop)
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %  1 Insertion (optional latching by PCB stop)
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %  1 Insertion (optional latching by PCB stop) 1.4 mm 1.8 mm
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders  Type of PCB mount  Thickness of the PCB  Ounting  Mounting type  Mounting position	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %  1 Insertion (optional latching by PCB stop) 1.4 mm 1.8 mm
Max. IP code to attain  Ambient temperature (operation)  Ambient temperature (storage/transport)  Ambient temperature (assembly)  Relative humidity (storage/transport)  CB data  Number of PCB holders  Type of PCB mount  Thickness of the PCB	-40 °C 105 °C (depending on power dissipation) -40 °C 55 °C -5 °C 100 °C 80 %  1 Insertion (optional latching by PCB stop) 1.4 mm 1.8 mm

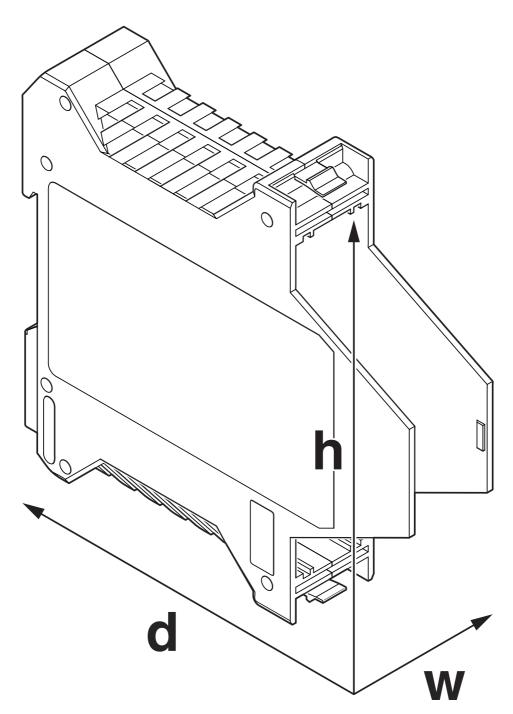


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## Drawings

### 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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## **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2854034

CUL Recognized Approval ID: FILE E 60425				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	300 V	8 A	-	-
Use group D				
	300 V	8 A	-	-

UL Recognized Approval ID: FILE E 60425				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Use group B				
	300 V	8 A	-	-
Use group D				
	300 V	8 A	-	-

cULus Recognized



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## Classifications

### **ECLASS**

	ECLASS-11.0	27182702
	ECLASS-13.0	27190601
	-1A 4	
ΕI	TIM	
	ETIM 9.0	EC001031
UNSPSC		
UNSFSC		
	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 17,5 OT-FKDSO KMGY - Upper housing part

2200322

https://www.phoenixcontact.com/us/products/2200322



DIN rail housing, Upper housing part for PCB terminal blocks with Push-in spring connection, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)

### ME 17,5 OT-MSTBO KMGY - Upper housing part

2853747

https://www.phoenixcontact.com/us/products/2853747

DIN rail housing, Upper housing part for connectors with header, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)





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### ME 17,5 OTU-MKDSO KMGY - Upper housing part

2278940

https://www.phoenixcontact.com/us/products/2278940



DIN rail housing, Upper housing part for PCB terminal blocks with screw connection, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)

### ME 17,5 OTP-MSTBO PS KMGY - Upper housing part

2279253

https://www.phoenixcontact.com/us/products/2279253

DIN rail housing, Upper housing part for connectors with header, width: 17.6 mm, height: 99 mm, depth: 45.85 mm, color: light grey (similar RAL 7035)





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### ME 17,5 PLATE-MSTBO KMGY - Insertion plate

2279266

https://www.phoenixcontact.com/us/products/2279266

DIN rail housing, Fitted cover for ME upper parts ME...OTP...MSTBO..., width: 15 mm, height: 54 mm, depth: 4.75 mm, color: light grey (similar RAL 7035)



### Accessories

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  $\,$ 



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ME MF 17,5 - Base latch

2908281

https://www.phoenixcontact.com/us/products/2908281

Metal foot catch with spring, for intermediate elements.



### ME-SAS - Shield connection clamp

2853899

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

Shield connection clamp for terminal points starting from 2.5 mm<sup>2</sup>





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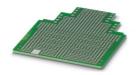
https://www.phoenixcontact.com/us/products/2854034

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 BU - PCB connector

1716027

https://www.phoenixcontact.com/us/products/1716027



PCB connector, nominal cross section: 1.5 mm², color: blue, 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



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#### IMC 1,5/10-ST-3,81 BU - PCB connectors

1716030

https://www.phoenixcontact.com/us/products/1716030



PCB connector, nominal cross section: 1.5 mm², color: blue, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, 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

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

1826762

https://www.phoenixcontact.com/us/products/1826762



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: 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



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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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