

2854212

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DIN rail housing, Lower housing part with metal foot catch, with FE contact, tall design, with vents, width: 22.6 mm, height: 99 mm, depth: 107.3 mm, color: green (similar RAL 6021), cross connection: integrated bus connector, number of positions cross connector: 10+2, Bus connector: 10 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	2854212
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	AC08
Product key	ACHAAB
Catalog page	Page 663 (C-1-2013)
GTIN	4017918190187
Weight per piece (including packing)	57.293 g
Weight per piece (excluding packing)	57.293 g
Customs tariff number	85369010
Country of origin	DE



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### Technical data

#### Notes

Assembly note	Please observe the application note 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 22,5
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	
Width 22.6 mm	
Height 99 mm	
Depth 107.3 mm	
Depth from top edge of DIN rail	
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)	green (RAL 6021)
Material (Housing)	PA
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	PA
Surface characteristics	untreated



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#### Environmental and real-life conditions

Power dissipation single housing for 20 °C	
Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	6.1 W
Power dissipation single housing for 30 °C	
Ambient temperature	30 °C
Reduction factor	0.91
Mounting position	vertical
Power dissipation	5.5 W
Power dissipation single housing for 40 °C	
Ambient temperature	40 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	4.9 W
Power dissipation single housing for 50 °C	
Ambient temperature	50 °C
Reduction factor	0.7
Mounting position	vertical
Power dissipation	4.3 W
Power dissipation single housing for 60 °C	
Ambient temperature	60 °C
Reduction factor	0.57
Mounting position	vertical
Power dissipation	3.5 W
Power dissipation single housing for 70 °C	
Ambient temperature	70 °C
Reduction factor	0.49
Mounting position	vertical
Power dissipation	3.1 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



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Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
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)	UEO 00500 1000 11 11 11 11 11 11 11 11 11 11 11
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 (storage/transport)	-40 °C 55 °C
Ambient temperature (assembly)	-5 °C 100 °C
Relative humidity (storage/transport)	80 %
B data	
Number of PCB holders	1
Type of PCB mount	Insertion (optional latching by PCB stop)
Thickness of the PCB	1.4 mm 1.8 mm
unting	
Mounting type	DIN rail mounting
ckaging specifications	
Type of packaging	packed in cardboard
	•

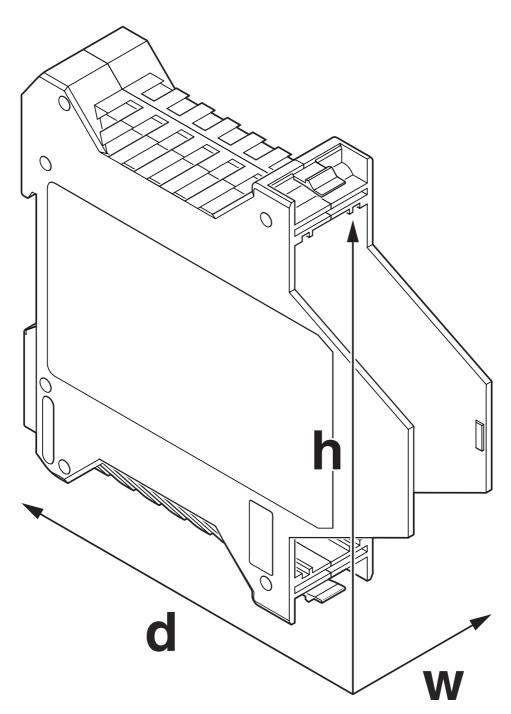


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### **Drawings**

### 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/2854212

cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage $U_N$	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 $U_N$	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	-	-



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### Classifications

	A 000

	ECLASS-13.0	27190601
E <sup>-</sup>	ГІМ	
	ETIM 9.0	EC002779
UI	NSPSC	
	UNSPSC 21.0	31261500



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### Environmental product compliance

#### EU RoHS

Yes, No exemptions
EFUP-E
No hazardous substances above the limits
No substance above 0.1 wt%

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