

1158981

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DIN rail housing, Lower housing part with metal foot catch, with vents, width: 75.87 mm, height: 120.6 mm, depth: 82.85 mm, color: light gray (similar RAL 7035), cross connection: DIN rail bus connector (optional), number of positions cross connector: 5 or 8

### Your advantages

- · Easy, tool-free mounting
- · Optional DIN rail connector for easy module-to-module communication
- · Lock and Release principle for automatic latching and intuitive release of the front connection plug
- Plastic in accordance with UL94 V0: for more rigorous flammability requirements
- · Versatile use: deeper design for more PCB space
- Greater flexibility: combination with ICS series electronics housing using DIN rail connectors

#### Commercial data

Item number	1158981
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC15
Product key	ACHEBA
GTIN	4063151166120
Weight per piece (including packing)	78.5 g
Weight per piece (excluding packing)	78.5 g
Customs tariff number	85389099
Country of origin	CN



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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-IO
Max. number of positions	192 (pitch: 3.45 mm)
	128 (pitch: 5 mm)
Туре	Lower housing part with metal foot catch
Ventilation openings present	yes

#### **Dimensions**

Dimensional drawing	h w
Width	75.87 mm
Height	120.6 mm
Depth	82.85 mm
Depth from top edge of DIN rail	76.25 mm
PCB design	
PCB thickness	1.4 mm 1.8 mm
Antonial annuiting tions	

#### Material specifications

Color (Housing)	light gray (RAL 7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600
Housing material	PA
Surface characteristics	untreated

#### Environmental and real-life conditions

Power dissipation single housing for 20 °C

Ambient temperature	20 °C
Reduction factor	1



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Mechanical strength / tumbling barrel

Mounting position	vertical
Mounting position	
Power dissipation	33.7 W
Power dissipation single housing for 30 °C	
Ambient temperature	30 °C
Reduction factor	0.82
Mounting position	vertical
Power dissipation	27.6 W
Power dissipation single housing for 40 °C	
Ambient temperature	40 °C
Reduction factor	0.62
Mounting position	vertical
Power dissipation	21 W
Power dissipation single housing for 50 °C	
Ambient temperature	50 °C
Reduction factor	0.46
Mounting position	vertical
Power dissipation	15.5 W
Power dissipation single housing for 60 °C	
Ambient temperature	60 °C
Reduction factor	0.3
Mounting position	vertical
Power dissipation	10.3 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
Clow wire test	
Glow-wire test Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
Time of exposure	30 s
	00.0
Thermal stability / ball thrust test	
Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N



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Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Frequency	50
Troquality	
Shocks	
Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Test for substances that would hinder coating with paint or	varnish
Specification	VDMA 24364:2018-05
Degree of protection (IP code)	
Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Specification	ILC 00329.1909-11 + AIVID 1.1999-11 + AIVID 2.2013-00
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 %
CB data	
Number of PCB holders	4
Type of PCB mount	Latching
Total PCB surface	34000 mm²
Thickness of the PCB	1.4 mm 1.8 mm
punting	
Mounting type	DIN rail mounting
ckaging specifications	
	packed in cardboard
Type of packaging	packed in caraboard

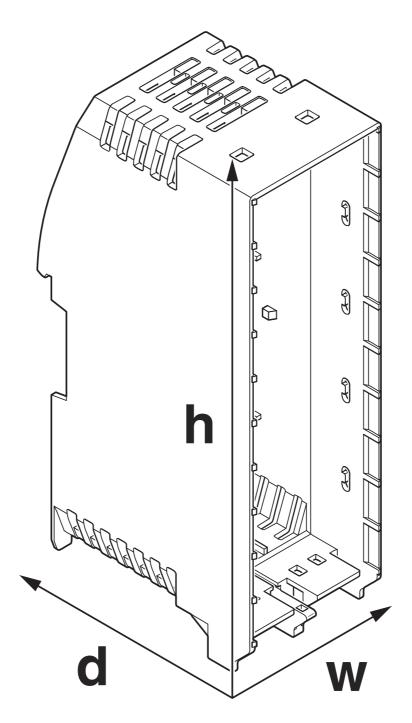


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### Drawings

### 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/1158981



**UL Recognized**Approval ID: E240868



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### Classifications

ECLASS		
	ECLASS-13.0	27190601
ΕT	ТМ	
	ETIM 9.0	EC002779
UNSPSC		
	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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