

2278500

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Lower housing part with base latch, width: 161.6 mm, height: 89.7 mm, depth: 48.9 mm, color: black (similar RAL 9005), cross connection: DIN rail bus connector (optional), number of positions cross connector: 16

Your advantages

- · Coordinated housing and connection system for faster device development
- · Individual online configuration for diverse applications in building automation
- · Variety of connection technology
- · Can be mounted on the DIN rail or the wall
- · With DIN-rail-mountable bus connector and power connector system as an option
- · Tool-free mounting
- Available in overall widths from 1 ... 9 width units (17.8 mm ... 161.6 mm)
- Compliant with DIN EN 43880

Commercial data

Item number	2278500
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC10
Product key	ACHBAA
GTIN	4046356299497
Weight per piece (including packing)	90.11 g
Weight per piece (excluding packing)	82.58 g
Customs tariff number	84879090
Country of origin	DE



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Technical data

Notes

Assembly note	Please observe the application note in the download area.

Product properties

Product type	Enclosure bottom part
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing series	BC
Product family	BC 161,6
Max. number of positions	0)
Ventilation openings present	no

Dimensions

Dimensional drawing	d
Width	161.6 mm
Height	89.7 mm
Depth	48.9 mm
Horizontal pitch	9 Div.
PCB design	
PCB thickness	1.4 mm 1.8 mm

Material specifications

Color (Lower housing part)	black (RAL 9005)
Material Lower housing part	PC
Material Base latch	POM
Flammability rating according to UL 94	V0
CTI according to IEC 60112	< 400
Surface characteristics	untreated

Environmental and real-life conditions

Power dissipation single housing for 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical



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	16 OF W
Power dissipation	16.95 W
Power dissipation single housing for 30 °C	
Ambient temperature	30 °C
Reduction factor	0.84
Mounting position	vertical
Power dissipation	14.2 W
Power dissipation single housing for 40 °C	
Ambient temperature	40 °C
Reduction factor	0.72
Mounting position	vertical
Power dissipation	12.2 W
1 over dissipation	12.2 **
Power dissipation single housing for 50 °C	
Ambient temperature	50 °C
Reduction factor	0.6
Mounting position	vertical
Power dissipation	10.2 W
Power dissipation single housing for 60 °C	
Ambient temperature	60 °C
Reduction factor	0.48
Mounting position	vertical
Power dissipation	8.1 W
De contration de la la companya (n. 70.00	
Power dissipation single housing for 70 °C	70 °C
Ambient temperature Reduction factor	0.38
	vertical
Mounting position Power dissipation	6.4 W
rowei dissipation	U.4 VV
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
Mechanical strength / tumbling barrel	
Specification	IEC 60068-2-31:2008-05



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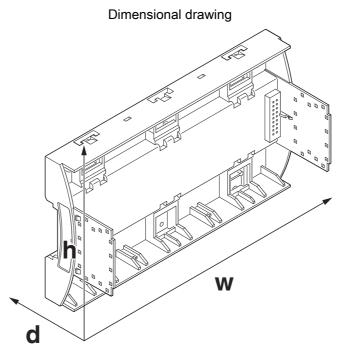
Specification IEC 60068-2-27:2008-02 Pulse shape Half-sine Acceleration 15g Shock duration 11 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) set for substances that would hinder coating with paint or varnish Specification VDMA 24364:2018-05 Result Test passed segree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-06 Result, degree of protection, IP code IP20 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 70 °C Ambient temperature (assembly) 95 % 8 data Number of PCB holders 9 Type of PCB mount Latching Inting Mounting type DIN rail mounting/panel mounting		
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.) Feet for substances that would hinder coating with paint or varnish Specification VDMA 24364:2018-05 Result Test passed Pegree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 Result, degree of protection, IP code IP20 IP20 IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation) Ambient temperature (storage/transport) -40 °C 70 °C Ambient temperature (storage/transport) 95 % B data Number of PCB holders 9 Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Untting Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging packed in cardboard	Height of fall	50 cm
Pulse shape 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 Result Test passed Degree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-06 Result, degree of protection, IP code IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation) Ambient temperature (storage/transport) -5 °C 100 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders 9 Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Latching Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging packed in cardboard	Frequency	50
Pulse shape 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 Result Test passed Degree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-06 Result, degree of protection, IP code IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation) Ambient temperature (storage/transport) -5 °C 100 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders 9 Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Latching Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging packed in cardboard	hocks	
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Shock duration 11 ms Number of shocks per direction 3 Test directions X., Y- and Z-axis (pos. and neg.) 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 Result Test passed Degree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-06 Result, degree of protection, IP code IP20 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 70 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders 9 Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	Pulse shape	Half-sine
Number of shocks per direction Test directions X-, Y- and Z-axis (pos. and neg.) Fest for substances that would hinder coating with paint or varnish Specification VDMA 24364:2018-05 Result Test passed Pegree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 Result, degree of protection, IP code IP20 Ambient conditions Max. IP code to attain Ambient temperature (operation) 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 Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging Packed in cardboard	Acceleration	15g
Test directions X-, Y- and Z-axis (pos. and neg.) Fest for substances that would hinder coating with paint or varnish Specification Result Degree of protection (IP code) Specification Result, degree of protection, IP code Ambient conditions Max. IP code to attain Ambient temperature (operation) 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 Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging PADA 24364:2018-05 Test passed VDMA 24364:2018-05 Test passed Test passed VDMA 24364:2018-05 Test passed Test passed	Shock duration	11 ms
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Result Test passed Degree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 Result, degree of protection, IP code IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) -40 °C 105 °C (depending on power dissipation) Ambient temperature (storage/transport) -5 °C 100 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders 9 Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	est for substances that would hinder coating with paint or va	arnish
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Number of PCB holders Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm unting Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	Relative humidity (storage/transport)	95 %
Type of PCB mount Thickness of the PCB 1.4 mm 1.8 mm Thickness of the PCB Mounting Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging packed in cardboard	B data	
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Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	Thickness of the PCB	1.4 mm 1.8 mm
Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	unting	
ckaging specifications Type of packaging packed in cardboard		
Type of packaging packed in cardboard	Mounting type	DIN rail mounting/panel mounting
	ckaging specifications	
Outer packaging type Carton	Type of packaging	packed in cardboard
	Outer packaging type	Carton



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Drawings



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/2278500



UL RecognizedApproval ID: E240868



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Classifications

ECLASS

	ECLASS-13.0	27190601
	ECLASS-15.0	27190601
ET	TIM	
	ETIM 9.0	EC002779
UN	ISPSC	

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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