

2896267

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Lower housing part with base latch, width: 71.6 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	2896267
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC10
Product key	ACHBAA
GTIN	4046356096713
Weight per piece (including packing)	41.37 g
Weight per piece (excluding packing)	41.001 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.
traduct proportion	

Product properties

Product type	Lower housing part
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing series	BC
Product family	BC 71,6
Max. number of positions	0)
Ventilation openings present	no

Dimensions

Dimensional drawing	d
Width	71.6 mm
Height	89.7 mm
Depth	48.9 mm
Horizontal pitch	4 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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Power dissipation	11.95 W
Power dissipation single housing for 30 °C	
Ambient temperature	30 °C
Reduction factor	0.84
Mounting position	vertical
Power dissipation	10 W
Power dissipation single housing for 40 °C	
Ambient temperature	40 °C
Reduction factor	0.72
Mounting position	vertical
Power dissipation	8.6 W
Power dissipation single housing for 50 °C	
Ambient temperature	50 °C
Reduction factor	0.6
Mounting position	vertical
Power dissipation	7.2 W
Power dissipation single housing for 60 °C	
Ambient temperature	60 °C
Reduction factor	0.48
Mounting position	vertical
Power dissipation	5.7 W
Power dissipation single housing for 70 °C Ambient temperature	70 °C
Reduction factor	0.38
Mounting position	vertical
Power dissipation	4.5 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
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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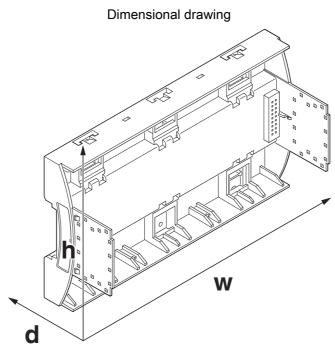
cks ippedification IEC 60068-2-27:2008-02 iulise shape Half-sine cceleration 15g ihock duration 11 ms iumber of shocks per direction 3 iest directions X-, Y- and Z-axis (pos. and neg.) It for substances that would hinder coating with paint or varnish opedification VDMA 24364:2018-05 Test passed ree of protection (IP code) opedification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 result, degree of protection, IP code IP20 Dient conditions lax. IP code to attain IP20 mibient temperature (operation) -40 °C 105 °C (depending on power dissipation) mibient temperature (storage/transport) -40 °C 70 °C mibient temperature (assembly) -5 °C 100 °C relative humidity (storage/transport) 95 % data lumber of PCB holders ype of PCB mount Latching flounting type flounting type DIN rail mounting/panel mounting aging specifications ype of packaging packed in cardboard	leight of fall	50 cm
EC 60068-2-27:2008-02	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.) est for substances that would hinder coating with paint or varnish Specification VDMA 24364-2018-05 Result Test passed egree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 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 (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 Mounting type packaging packed in cardboard	hocks	
Acceleration 15g Shock duration 11 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) est for substances that would hinder coating with paint or varnish Specification VDMA 24364:2018-05 Result Test passed egree of protection (IP code) Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 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) -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 unting Mounting type DIN rail mounting/panel mounting kaging specifications Type of packaging packed in cardboard	Specification	IEC 60068-2-27:2008-02
Shock duration 11 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Lest for substances that would hinder coating with paint or varnish Specification VDMA 24364:2018-05 Result Test passed Legree 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) 40 °C 100 °C Ambient temperature (assembly) 5 % 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 Exaging 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.) A, Y-, Y- and Z-axis (pos. and neg.) YDMA 24364:2018-05 Result Test passed Pegree of protection (IP code) Specification Result, degree of protection, IP code IP20 IP2	Acceleration	15g
Test directions X-, Y- and Z-axis (pos. and neg.) Test for substances that would hinder coating with paint or varnish Specification 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	Shock duration	11 ms
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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 IP20 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 % B data Number of PCB holders 9 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	Test directions	X-, Y- and Z-axis (pos. and neg.)
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 IP20 IP20 IP20 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 unting Mounting type DIN rail mounting/panel mounting Eckaging specifications Type of packaging packed in cardboard	est for substances that would hinder coating with paint or v	varnish
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Specification Result, degree of protection, IP code Result, degree of protection, IP code IP20 IP20 IP20 IP20 IP20 IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) For an interpretature (assembly) Relative humidity (storage/transport) IP20 IP20 Ambient temperature (storage/transport) IP20 IP2	Result	Test passed
Specification Result, degree of protection, IP code Result, degree of protection, IP code IP20 IP20 IP20 IP20 IP20 IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) For an interpretature (assembly) Relative humidity (storage/transport) IP20 IP20 Ambient temperature (storage/transport) IP20 IP2	earee of protection (IP code)	
Result, degree of protection, IP code IP20 IP20 Ambient conditions Max. IP code to attain IP20 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) -5 °C 105 °C Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount Thickness of the PCB 1.4 mm 1.8 mm Unting Mounting type DIN rail mounting/panel mounting Ekaging specifications Type of packaging Packed in cardboard		IFC 60529·1989-11 + AMD 1·1999-11 + AMD 2·2013-08
Ambient conditions Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) 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 Ekaging specifications Type of packaging packed in cardboard		
Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount Thickness of the PCB 1.4 mm 1.8 mm Uniting Mounting type DIN rail mounting/panel mounting Ekaging specifications Type of packaging packed in cardboard	Trocuit, dogree of protocuoti, ii code	11 20
Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) -40 °C 70 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders Type of PCB mount Latching Thickness of the PCB 1.4 mm 1.8 mm Uniting Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	mbient conditions	
Ambient temperature (storage/transport) Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Number of PCB holders 1.4 mm 1.8 mm PCB mount Uniting Mounting type DIN rail mounting/panel mounting Ckaging specifications Type of packaging packed in cardboard	Max. IP code to attain	IP20
Ambient temperature (assembly) Relative humidity (storage/transport) B data Number of PCB holders Type of PCB mount Thickness of the PCB Mounting Mounting type DIN rail mounting/panel mounting Type of packaging Type of packaging packed in cardboard	Ambient temperature (operation)	-40 °C 105 °C (depending on power dissipation)
Relative humidity (storage/transport) B data 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	Ambient temperature (storage/transport)	
Number of PCB holders Type of PCB mount 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	Ambient temperature (assembly)	-5 °C 100 °C
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 unting Mounting type DIN rail mounting/panel mounting ckaging specifications Type of packaging packed in cardboard	B data	
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	Number of PCB holders	9
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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		
Ckaging specifications Type of packaging packed in cardboard	unting	
Type of packaging packed in cardboard	Mounting type	DIN rail mounting/panel mounting
Type of packaging packed in cardboard	skaging specifications	
		packed in cardboard



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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/2896267



UL RecognizedApproval ID: E240868



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Classifications

ECLASS

	ECLASS-13.0	27190601
	ECLASS-15.0	27190601
ΕI	ΓIM	
	ETIM 9.0	EC002779
U	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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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com