BC 17,8 UT HBUS BK - Mounting base housing

2896241

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Lower housing part with base latch, width: 17.8 mm, height: 89.7 mm, depth: 20.3 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 ... 12 HP (17.8 mm ... 215.6 mm)
- Compliant with DIN EN 43880

Commercial data

Item number	2896241
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC10
Product key	ACHBAA
GTIN	4046356096690
Weight per piece (including packing)	12 g
Weight per piece (excluding packing)	13 g
Customs tariff number	84879090
Country of origin	DE

Technical data

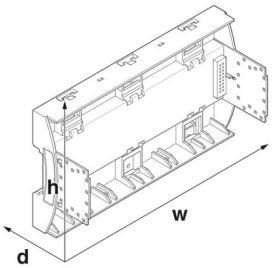
Notes

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

Product properties

Product type	Lower housing part
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing type	Modular building installation housings
Housing series	BC
Product family	BC 17,8..
Max. number of positions	0)
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	17.8 mm
Height	89.7 mm
Depth	20.3 mm
Horizontal pitch	1 HP

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

Environmental and real-life conditions

Power dissipation single housing for 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical

Power dissipation	2.95 W

Power dissipation single housing for 30 °C

Ambient temperature	30 °C
Reduction factor	0.84
Mounting position	vertical
Power dissipation	2.48 W

Power dissipation single housing for 40 °C

Ambient temperature	40 °C
Reduction factor	0.72
Mounting position	vertical
Power dissipation	2.12 W

Power dissipation single housing for 50 °C

Ambient temperature	50 °C
Reduction factor	0.6
Mounting position	vertical
Power dissipation	1.77 W

Power dissipation single housing for 60 °C

Ambient temperature	60 °C
Reduction factor	0.48
Mounting position	vertical
Power dissipation	1.42 W

Power dissipation single housing for 70 °C

Ambient temperature	70 °C
Reduction factor	0.38
Mounting position	vertical
Power dissipation	1.12 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

Height of fall	50 cm
Frequency	50

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.)

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 2:2013-08
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 ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	95 %

PCB data

Number of PCB holders	2
Type of PCB mount	Latching
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

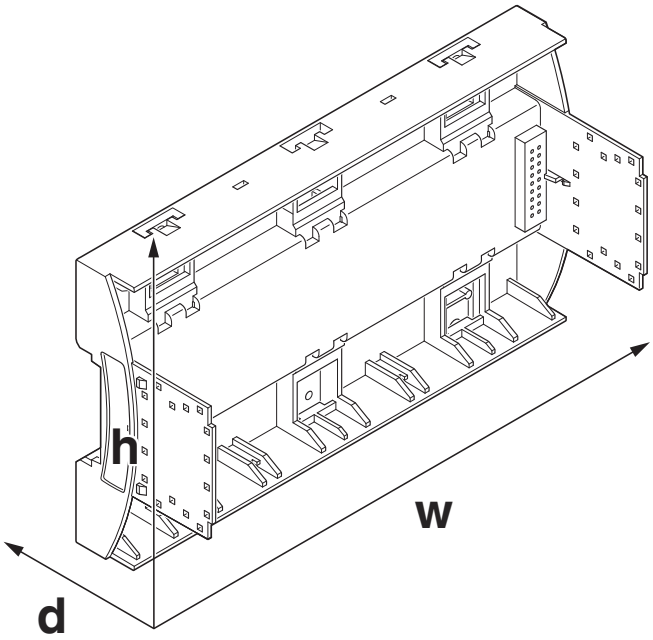
Mounting type	DIN rail mounting/panel mounting

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

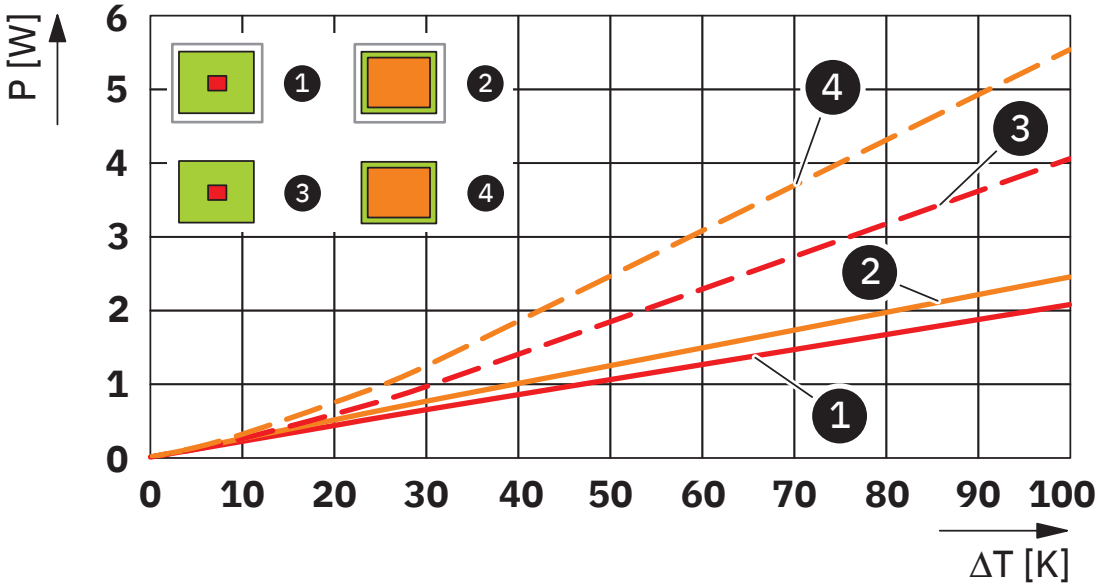
Drawings

Dimensional drawing



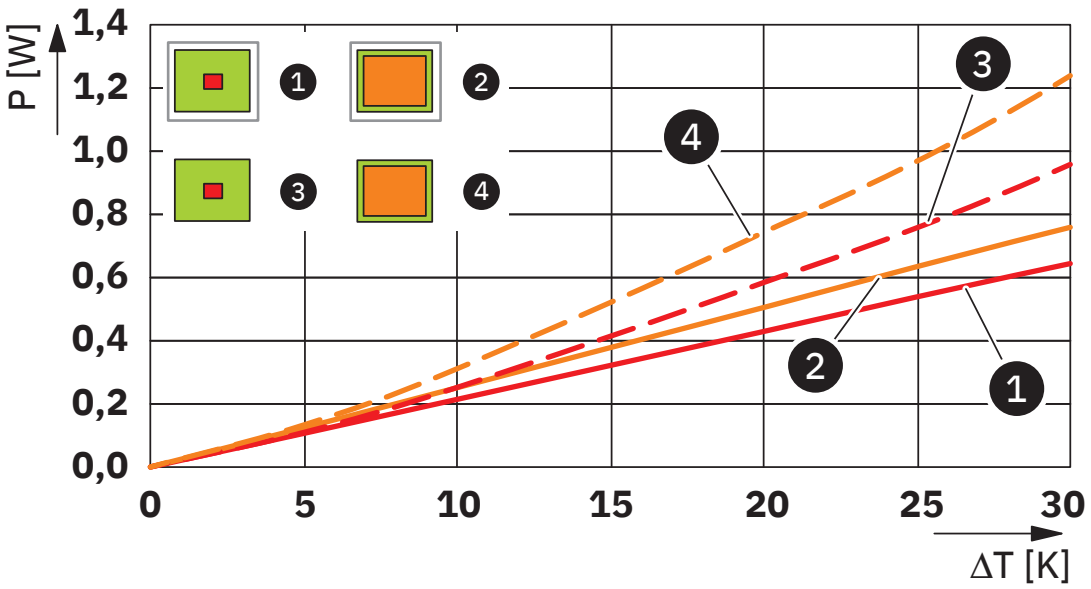
Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the “Downloads” tab.

Diagram



Power dissipation diagram for 0 K ... 100 K

Diagram



Power dissipation diagram for 0 K ... 30 K

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2896241

UL Recognized
Approval ID: E240868

Classifications

ECLASS

ECLASS-13.0	27190601
ECLASS-15.0	27190601

ETIM

ETIM 10.0	EC002779

UNSPSC

UNSPSC 21.0	31261500

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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