

Mounting base housing - BC 17,8 UT HBUS BK - 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, cross connection: DIN rail connector (optional), number of positions cross connector: 16, color: black (9005)



Your advantages

- Item is from the BC product range
- Conforms to DIN EN 43880
- Tool-free mounting
- Available in overall widths from one to nine width units (17.8 mm ... 161.6 mm)
- Inflammability class V0 according to UL 94
- Variety of connection technologies
- Can be mounted on the DIN rail or the wall
- Optional with bus connector for DIN rail mounting



Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4046356096690

Technical data

Item properties

Brief article description	Mounting base housing
Type	BC 17,8 UT HBUS BK
Order No.	2896241
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
Housing series	BC
Type	Lower housing part with base latch
Max. IP code to attain	IP20
Mounting type	DIN rail mounting/wall mounting

Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Technical data

Item properties

Ventilation openings present	no
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Dimensions

Width [w]	17.8 mm
Height [h]	89.7 mm
Depth [d]	20.3 mm

Material data

Housing material	Polycarbonate
Color (RAL)	black (9005)
Flammability rating according to UL 94	V0

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 105 °C (depending on power dissipation)
Relative humidity (storage/transport)	95 %

PCB data

Number of PCB holders	2
PCB thickness	1.5 mm ... 1.5 mm
Mounting position	Vertical (horizontal DIN rail)
Type of PCB mount	Latching

Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	2.95 W

Power dissipation, single housing at 30 °C

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

Power dissipation, single housing at 40 °C

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

Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.6

Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Technical data

Power dissipation, single housing at 50 °C

Mounting position	vertical
Power dissipation	1.77 W

Power dissipation, single housing at 60 °C

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

Mechanical strength/tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Number of drop cycles	50

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Shock

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 assessing the risk of fire (glow wire)

Specification	DIN EN 60695-2-11 (VDE 0471-2-11):2014-11
Temperature	850 °C
Time of exposure	30 s

Degrees of protection provided by housings (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP20

General information

Type of note	Assembly instruction:
Note	Refer to the data sheet for the range in the download area.

Packaging information

Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Technical data

Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.
Outer packaging type	Carton

Standards and regulations

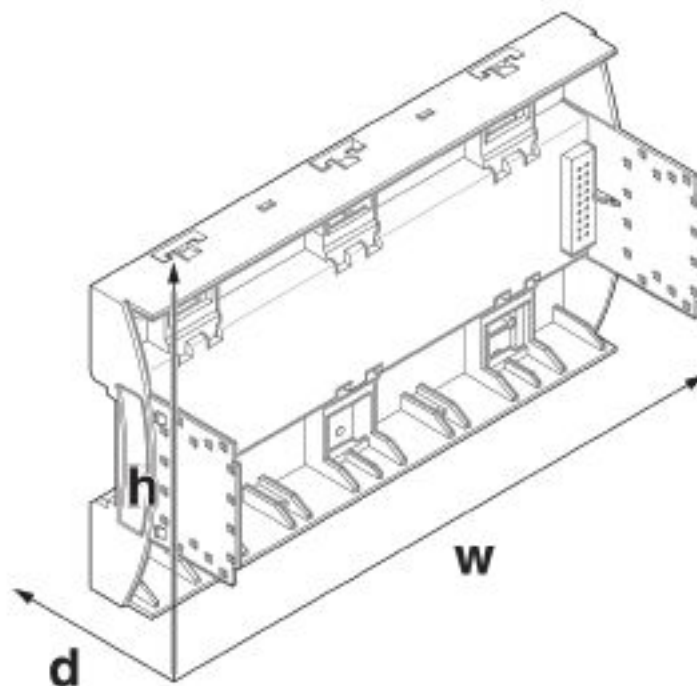
Flammability rating according to UL 94	V0
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27182702
eCl@ss 4.0	27180400
eCl@ss 4.1	27180400
eCl@ss 5.0	27180500
eCl@ss 5.1	27180500

Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Classifications

eCl@ss

eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	EC000886
ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501
UNSPSC 18.0	31261501
UNSPSC 19.0	31261501
UNSPSC 20.0	31261501
UNSPSC 21.0	31261501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		B.01687
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Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Accessories

Accessories

Mounting material

Base latch - FUSSRIEGEL 14,4 L30 SPERR OG - 2896998



Component housing, Base latch, width: 14.4 mm, height: 29.8 mm, depth: 5.9 mm, color: orange (2003)

Necessary add-on products

Upper part of housing - BC 17,8 OTU MKDSO KMGY - 2279732



DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part for PCB terminal blocks with screw connection, width: 17.8 mm, height: 89.7 mm, depth: 53.4 mm, color: light gray (7035)

Upper part of housing - BC 17,8 OT MKDSO KMGY - 2896092



DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part for PCB terminal blocks with screw connection, width: 17.8 mm, height: 89.7 mm, depth: 53.4 mm, color: light gray (7035)

DIN rail bus connectors - HBUS 35,6-16P-2S BK - 2896319



DIN rail connector, number of positions: 16, pitch: 2.54 mm, color: jet black

Pin strip - PSTD 0,65X0,65/9-H-2,54 - 2200701



Pin strip, number of positions: 18, pitch: 2.54 mm

Mounting base housing - BC 17,8 UT HBUS BK - 2896241

Accessories

DIN rail bus connectors - HBUS 53,6-16P-3S BK - 2896322



DIN rail connector, number of positions: 16, pitch: 2.54 mm, color: jet black

Additional products

DIN rail bus connectors - HBUS 53,6-16P-3S BK - 2896322



DIN rail connector, number of positions: 16, pitch: 2.54 mm, color: jet black

DIN rail bus connectors - HBUS 35,6-16P-2S BK - 2896319



DIN rail connector, number of positions: 16, pitch: 2.54 mm, color: jet black

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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