

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 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 one to nine HP (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
Catalog page	Page 700 (C-1-2013)
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

General	Refer to the data sheet for the range in the download area.

### Product properties

Product type	Enclosure bottom part
Housing series	BC
Product family	BC UT HBUS
Max. number of positions	0)
Туре	Lower housing part with base latch
Housing type	DIN rail housing for use in distribution boards in accordance with DIN 43880
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 (Housing)	black (RAL 9005)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	< 400
Surface characteristics	untreated
Housing material	Polycarbonate

### 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	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
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
Power dissipation single housing for 70 °C	
Ambient temperature	70 °C
Reduction factor	0.38
Mounting position	vertical
Power dissipation	6.4 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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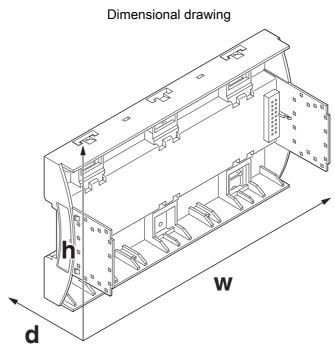
Height of fall	50 cm
Frequency	50
Shocks	
Specification	IEC 60068-2-27:2008-02
Pulse shape	Half-sine
Acceleration	15g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Degree of protection (IP code)	
Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
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 %
CB data	
Number of PCB holders	9
Type of PCB mount	Latching
Thickness of the PCB	1.4 mm 1.8 mm
punting	
Mounting type	DIN rail mounting/wall mounting
Mounting position	Vertical (horizontal DIN rail)
Mounting position	venical (nonzontal bila fall)
ckaging specifications	
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 Recognized**Approval ID: FILE E 240868



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## Classifications

### **ECLASS**

	ECLASS-11.0	27182702
	ECLASS-13.0	27190601
ETIM		
	ETIM 9.0	EC001031
1.16	Nepec	
Uľ	NSPSC	
	UNSPSC 21.0	31261500

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## Environmental product compliance

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



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## Mandatory accessories

### BC 161,6 OT U11 KMGY - Upper housing part

2278513

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part (U11) with vents, Installation depth connection technology: 11.1 mm, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

### BC 161,6 OT U22 KMGY - Upper housing part

2278526

https://www.phoenixcontact.com/us/products/2278526



DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part (U22) with vents, Installation depth connection technology: 22.35 mm, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)



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### BC 161,6 OT U11 BK - Upper housing part

#### 2202833

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part (U11) with vents, Installation depth connection technology: 11.1 mm, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)

### BC 161,6 OT U22 BK - Upper housing part

#### 2201665

https://www.phoenixcontact.com/us/products/2201665



DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part (U22) with vents, Installation depth connection technology: 22.35 mm, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)



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### BC 161,6 OT 111112 BK - Upper housing part

2201977

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)

## BC 161,6 OT 222121 BK - Upper housing part

1046793

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### BC 161,6 OT 111122 KMGY - Upper housing part

#### 2201919

https://www.phoenixcontact.com/us/products/2201919



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 012122 KMGY - Upper housing part

#### 2203722

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### BC 161,6 OT 000020 KMGY - Upper housing part

2201450

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 110021 KMGY - Upper housing part

1208340

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### BC 161,6 OT 001101 KMGY - Upper housing part

#### 2202284

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 111112 KMGY - Upper housing part

#### 2202638

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### BC 161,6 OT 112111 KMGY - Upper housing part

1255434

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 000022 KMGY - Upper housing part

2201454

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### BC 161,6 OT 100202 KMGY - Upper housing part

#### 2201976

https://www.phoenixcontact.com/us/products/2201976



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 111121 KMGY - Upper housing part

#### 2201982

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### BC 161,6 OT 111101 KMGY - Upper housing part

#### 2203095

https://www.phoenixcontact.com/us/products/2203095



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 212121 KMGY - Upper housing part

#### 2201869

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### BC 161,6 OT 112122 KMGY - Upper housing part

#### 2201881

https://www.phoenixcontact.com/us/products/2201881



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 210021 KMGY - Upper housing part

#### 2201984

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### BC 161,6 OT U11 BK VPE80 - Upper housing part

1006944

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Upper housing part (U11) with vents, Installation depth connection technology: 11.1 mm, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)

### BC 161,6 OT 212122 KMGY VPE80 - Upper housing part

1015337

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### BC 161,6 OT 0C20C20C2 KMGY - Upper housing part

1218565

https://www.phoenixcontact.com/us/products/1218565



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 002000 KMGY - Upper housing part

2201451

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### BC 161,6 OT 0C20C20C2 WH - Upper housing part

1252986

https://www.phoenixcontact.com/us/products/1252986



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: traffic white (similar RAL 9016)

## BC 161,6 OT 000C0C22 KMGY - Upper housing part

2201678

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### BC 161,6 OT 121222 KMGY MOQ100 - Upper housing part

#### 2202355

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 110212 KMGY MOQ100 - Upper housing part

1153038

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### BC 161,6 OT 121222 BK VPE80 - Upper housing part

1059320

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)

## BC 161,6 OT 102222 KMGY MOQ100 - Upper housing part

2202202

https://www.phoenixcontact.com/us/products/2202202





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### BC 161,6 OT 001112 KMGY MOQ100 - Upper housing part

#### 2202287

https://www.phoenixcontact.com/us/products/2202287



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

### BC 161,6 OT 221111 KMGY MOQ100 - Upper housing part

### 2202300

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### BC 161,6 OT 110202 KMGY VPE80 - Upper housing part

1080949

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 101111 KMGY MOQ100 - Upper housing part

2202201

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### BC 161,6 OT 020001 KMGY MOQ100 - Upper housing part

#### 2202224

https://www.phoenixcontact.com/us/products/2202224



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 000C020 KMGYMOQ100 - Upper housing part

#### 2202372

https://www.phoenixcontact.com/us/products/2202372





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### BC 161,6 OT 202220 KMGY VPE80 - Upper housing part

1074661

https://www.phoenixcontact.com/us/products/1074661



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 101100 KMGY VPE80 - Upper housing part

2202324

https://www.phoenixcontact.com/us/products/2202324





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### BC 161,6 OT 220222 KMGY MOQ100 - Upper housing part

1126202

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 0C0C0C0C22 KMGY - Upper housing part

2201455

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### BC 161,6 OT 000000 KMGY MOQ100 - Upper housing part

#### 2202926

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 112122 KMGY MOQ100 - Upper housing part

#### 2202326

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### BC 161,6 OT 1C1C2C2C1C1C KMGY - Upper housing part

1096568

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DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## BC 161,6 OT 120202 KMGY MOQ100 - Upper housing part

1087950

https://www.phoenixcontact.com/us/products/1087950



DIN rail housing for use in distribution boards in accordance with DIN 43880, modular upper housing part, width: 161.6 mm, height: 89.7 mm, depth: 54.85 mm, color: light grey (similar RAL 7035)

## Accessories



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

2896998

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DIN rail housing for use in distribution boards in accordance with DIN 43880, Base latch, width: 14.4 mm, height: 29.8 mm, depth: 5.9 mm, color: orange (similar RAL 2003)

#### HBUS 161,6-16P-1S BK - DIN rail bus connectors

2278555

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DIN rail connector, color: black, nominal current: 3 A (Total current of 25 A max.), rated voltage (III/2): 30 V, number of positions: 16, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without



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

2200700

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Pin strip, color: black, contact connection type: Pin, number of potentials: 18, number of rows: 2, number of positions: 18, number of connections: 18, product range: PSTD 0,65X0,65/..-V, pitch: 2.54 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.5 mm, locking: without, type of packaging: packed in cardboard

#### HBUS8 161,6-8P-1S BK - DIN rail bus connectors

1249066

https://www.phoenixcontact.com/us/products/1249066



DIN rail connector, color: black, nominal current: 3 A (per contact), rated voltage (III/2): 100 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without

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