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DIN rail housing for use in distribution boards in accordance with DIN 43880, Lower housing part with base latch, width: 35.6 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                          | 2896254             |
|--------------------------------------|---------------------|
| Packing unit                         | 10 рс               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | AC10                |
| Product key                          | ACHBAA              |
| Catalog page                         | Page 698 (C-1-2013) |
| GTIN                                 | 4046356096706       |
| Weight per piece (including packing) | 27.54 g             |
| Weight per piece (excluding packing) | 27 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   |
| 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 w           |
|---------------------|---------------|
| Width               | 35.6 mm       |
| Height              | 89.7 mm       |
| Depth               | 48.9 mm       |
| Horizontal pitch    | 2 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 |
| Power dissipation                          | 4.78 W   |

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| ver dissipation single housing for 30 °C   30 °C     Reduction factor   0.84     Aounting position   vertical     Power dissipation   4 W     ver dissipation single housing for 40 °C   |     |
|--|-----|
| Advanting positionverticalPower dissipation single housing for 40 °C4 WAmbient temperature40 °CReduction factor0.72Advanting position9.44 WPower dissipation single housing for 50 °C3.44 WVertical50 °CAdounting position0.6vertical2.85 WPower dissipation single housing for 50 °CAdounting positionverticalPower dissipation single housing for 60 °CAdounting positionverticalPower dissipation single housing for 60 °CAdouting positionverticalPower dissipation single housing for 70 °CAdouting position2.3 Wver dissipation single housing for 70 °CAdouting positionverticalPower dissipation single housing for 70 °CAdouting positionverticalPower dissipation1.8 WverticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipationVerticalPower dissipation<   |     |
| Prover dissipation4 Wver dissipation single housing for 40 °C40 °CReduction factor0.72Adounting positionverticalPower dissipation3.44 Wver dissipation3.44 Wver dissipation50 °CAmbient temperature50 °CReduction factor0.6Adounting positionverticalPower dissipation2.85 WReduction factor0.6Adounting positionverticalPower dissipation2.85 Wver dissipation single housing for 60 °C0.48Wer dissipation single housing for 60 °C0.48Adounting positionverticalPower dissipation2.3 Wver dissipationverticalPower dissipation0.38Adounting positionverticalPower dissipation single housing for 70 °CVerticalAmbient temperature70 °CAdounting positionverticalPower dissipation1.8 Wration testSpecificationPower dissipation1.5 cmm (10 Hz 58.1Acceleration2.5 hrequency1.0 ctave/minAmplitude0.55 mAcceleration2.5 hrest directionsX. Y. Y- and Z-axiswwire testSpecificationFeet directionsIEC 600695-2-11:2014-00Reduction per axis2.5 hCoefficationIEC 600695-2-11:2014-00Reduction per axisSpecificationFeet directionsK. Y- and Z-axis <td></td>  |     |
| wer dissipation single housing for 40 °C   40 °C     Ambient temperature   40 °C     Reduction factor   0.72     Adounting position   vertical     Power dissipation   3.44 W     ver dissipation single housing for 50 °C   50 °C     Ambient temperature   50 °C     Reduction factor   0.6     Adounting position   vertical     Power dissipation single housing for 60 °C   vertical     Wer dissipation single housing for 60 °C   0.48     Adounting position   vertical     Power dissipation single housing for 70 °C   Vertical     Reduction factor   0.38     Adounting position   vertical     Power dissipation   1.8 W     Power dissipation   vertical     Power dissipation   1.8 W     Power dissipation   1.8 W     Power dissipation   1.6 Co068-2-6:2007-12     Prover dissipation   1.6 Co068-2-6:2007-12     Prover dissipation   1.6 Co068-2-6:2007-12     Prover dissipation   1.6 Co068-2-6:2007-12     Prover dissipation   1.6 Co06  |     |
| Ambient temperature40 °CReduction factor0.72Mounting positionverticalPower dissipation single housing for 50 °C50 °CAmbient temperature50 °CReduction factor0.6Mounting positionverticalPower dissipation single housing for 60 °C2.85 WAmbient temperature60 °CReduction factor0.48Mounting positionverticalPower dissipation single housing for 60 °C0.48Mounting positionverticalPower dissipation single housing for 70 °C0.38Wer dissipation single housing for 70 °C0.38Wer dissipation1.8 WPower dissipation1.8 WPower dissipation1.0 ctave/minAdounting position10 - 150 - 10 HzPower dissipation1 octave/minAmplitude0.15 mm (10 Hz 58.1Acceleration2.9 (58.1 Hz 150 Hz)Prest directionsX., Y- and Z-axiswwire testSpecificationIrest directionsIEC 60065-2-11:2014-02Power distipation1.5 Comera-2-axis  |     |
| Ambient temperature40 °CReduction factor0.72Mounting positionverticalPower dissipation single housing for 50 °C50 °CAmbient temperature50 °CReduction factor0.6Mounting positionverticalPower dissipation single housing for 60 °C2.85 WAmbient temperature60 °CReduction factor0.48Mounting positionverticalPower dissipation single housing for 60 °C0.48Mounting positionverticalPower dissipation single housing for 70 °C0.38Wer dissipation single housing for 70 °C0.38Wer dissipation1.8 WPower dissipation1.8 WPower dissipation1.0 ctave/minAdounting position10 - 150 - 10 HzPower dissipation1 octave/minAmplitude0.15 mm (10 Hz 58.1Acceleration2.9 (58.1 Hz 150 Hz)Prest directionsX., Y- and Z-axiswwire testSpecificationIrest directionsIEC 60065-2-11:2014-02Power distipation1.5 Comera-2-axis  |     |
| Advanting position   vertical     Power dissipation   3.44 W     Power dissipation single housing for 50 °C   50 °C     Ambient temperature   50 °C     Reduction factor   0.6     Adounting position   vertical     Power dissipation single housing for 60 °C   vertical     Vertical   0.6 °C     Reduction factor   0.48     Adounting position   vertical     Vertical   0.48     Adounting position factor   0.48     Adounting position factor   0.48     Adounting position factor   0.48     Adounting position single housing for 70 °C   vertical     Adounting position   vertical     Power dissipation   1.8 W     Reduction factor   0.38     Adounting position   vertical     Power dissipation   1.8 W     ration test   1.0 ctave/min     Amplitude   0.15 mm (10 Hz 58.1     Acceleration   2g (68.1 Hz 150 Hz)     Power dissipation per axis   2.5 h     rest directions   X. Y. a   |     |
| Power dissipation   3.44 W     ver dissipation single housing for 50 °C   50 °C     Ambient temperature   50 °C     Reduction factor   0.6     Mounting position   vertical     Power dissipation single housing for 60 °C   2.85 W     Ver dissipation single housing for 60 °C   60 °C     Ambient temperature   60 °C     Reduction factor   0.48     Mounting position   vertical     Power dissipation single housing for 70 °C   Vertical     Power dissipation single housing for 70 °C   70 °C     Ambient temperature   70 °C     Adounting position   vertical     Power dissipation single housing for 70 °C   1.8 W     Adounting position   vertical     Power dissipation   1.8 W     ration test   1.8 W     Specification   IEC 60068-2-6:2007-12     Frequency   1.0 - 150 - 10 Hz     Sweep speed   1.0 ctave/min     Amplitude   0.15 mm (10 Hz 58.1     Acceleration   2.5 h     Test directions   X., Y- and Z-axis   |     |
| ver dissipation single housing for 50 °C<br>Ambient temperature 50 °C<br>Reduction factor 0.6<br>Auounting position vertical 2.85 W<br>ver dissipation single housing for 60 °C<br>Ambient temperature 60 °C<br>Ambient temperature 60 °C<br>Reduction factor 0.48<br>Auounting position vertical 2.3 W<br>ver dissipation single housing for 70 °C<br>Aubient temperature 1.8 W<br>vertical 2.3 |     |
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| Ambient temperature50 °CReduction factor0.6Mounting positionverticalPower dissipation2.85 Wver dissipation single housing for 60 °C  |     |
| Mounting position   vertical     Power dissipation   2.85 W     ver dissipation single housing for 60 °C   2.85 W     Ambient temperature   60 °C     Reduction factor   0.48     Mounting position   vertical     Power dissipation single housing for 70 °C   2.3 W     ver dissipation single housing for 70 °C   70 °C     Ambient temperature   70 °C     Reduction factor   0.38     Mounting position   vertical     Power dissipation   1.8 W     Vertical   2.2 Power dissipation     Adouting position   vertical     Power dissipation   1.8 W     Power dissipation   1.8 W     ration test   100 - 150 - 10 Hz     Specification   IEC 60068-2-6:2007-12     requency   10 - 150 - 10 Hz     Sweep speed   1.0 - 150 - 10 Hz     Amplitude   0.15 mm (10 Hz 58.1     Acceleration   2.5 h     Test directions   X-, Y- and Z-axis     w-wire test   Specification   IEC 60695-2-11:2014-02  |     |
| Power dissipation   2.85 W     ver dissipation single housing for 60 °C   60 °C     Ambient temperature   60 °C     Reduction factor   0.48     Adounting position   vertical     Power dissipation single housing for 70 °C   2.3 W     Ver dissipation single housing for 70 °C   70 °C     Ambient temperature   70 °C     Reduction factor   0.38     Mounting position   vertical     Power dissipation   1.8 W     Power dissipation   1.8 W     ration test   10 - 150 - 10 Hz     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     Acceleration   2g (58.1 Hz 150 Hz)     Fest duration per axis   2.5 h     Ver test   X-, Y- and Z-axis     wwire test   Specification     Greeperature   850 °C  |     |
| ver dissipation single housing for 60 °C   60 °C     Ambient temperature   60 °C     Reduction factor   0.48     Mounting position   vertical     Power dissipation   2.3 W     ver dissipation single housing for 70 °C   70 °C     Ambient temperature   70 °C     Reduction factor   0.38     Mounting position   vertical     Power dissipation   1.8 W     Power dissipation   1.8 W     Power dissipation   1.8 W     ration test   10 - 150 - 10 Hz     Sweep speed   1 octave/min     Amplitude   0.15 mm (10 Hz 58.1     Acceleration   2g (58.1 Hz 150 Hz)     Test duration per axis   2.5 h     Wer test   X-, Y- and Z-axis     wwwire test   Specification     Feet directions   K-, Y- and Z-axis   |     |
| Ambient temperature60 °CReduction factor0.48Mounting positionverticalPower dissipation2.3 Wver dissipation single housing for 70 °C70 °CAmbient temperature70 °CReduction factor0.38Mounting positionverticalPower dissipation1.8 WPower dissipation1.8 WPower dissipation1.8 WPower dissipation1.0 - 150 - 10 HzSpecification10 - 150 - 10 HzSweep speed1 octave/minAmplitude0.15 mm (10 Hz 58.1Acceleration per axis2.5 hFrest duration per axisX, Y- and Z-axisw-wire testIEC 60695-2-11:2014-02SpecificationIEC 60695-2-11:2014-02Rest directionsX, Y- and Z-axisW-wire testIEC 60695-2-11:2014-02Ference meretIEC 60695-2-11:2014-02SpecificationIEC 60695-2-11:2014-02Temperature850 °C  |     |
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| ver dissipation single housing for 70 °C     Ambient temperature   70 °C     Reduction factor   0.38     Mounting position   vertical     Power dissipation   1.8 W     Power dissipation test   IEC 60068-2-6:2007-12     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     Acceleration per axis   2.5 h     Frest directions   X-, Y- and Z-axis     w-wire test   IEC 600695-2-11:2014-00     Specification   IEC 600695-2-11:2014-00  |     |
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| Frequency10 - 150 - 10 HzSweep speed1 octave/minAmplitude0.15 mm (10 Hz 58.1Acceleration2g (58.1 Hz 150 Hz)Cest duration per axis2.5 hTest duration per axisX-, Y- and Z-axisW-wire testIEC 60695-2-11:2014-02SpecificationIEC 60695-2-11:2014-02Femperature850 °C   |     |
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| Acceleration 2g (58.1 Hz 150 Hz)<br>Test duration per axis 2.5 h<br>Test directions X-, Y- and Z-axis<br>w-wire test<br>Specification IEC 60695-2-11:2014-02<br>Temperature 850 °C   |     |
| Fest duration per axis 2.5 h   Fest directions X-, Y- and Z-axis   w-wire test IEC 60695-2-11:2014-02   Specification IEC 60695-2-11:2014-02   Femperature 850 °C  | Hz) |
| Fest directions X-, Y- and Z-axis   w-wire test IEC 60695-2-11:2014-01   Specification IEC 60695-2-11:2014-01   Femperature 850 °C   |     |
| w-wire test<br>Specification IEC 60695-2-11:2014-0:<br>Femperature 850 °C  |     |
| Specification   IEC 60695-2-11:2014-03     remperature   850 °C  |     |
| Temperature 850 °C   |     |
| Temperature 850 °C   | 2   |
| •  |     |
|  |     |
| chanical strength / tumbling barrel  |     |
| Specification IEC 60068-2-31:2008-0  | 5   |
| Height of fall 50 cm   | -   |



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| 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 |
| with the second s |   |
| 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/wall mounting                   |
| Mounting position   | Vertical (horizontal DIN rail)                    |
|   |   |
| ckaging specifications  |   |
| Type of packaging   | packed in cardboard                               |
| Outer packaging type  | Carton  |

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## Classifications

#### ECLASS

|        | ECLASS-11.0 | 27182702 |
|--------|-------------|----------|
|        | ECLASS-13.0 | 27190601 |
| ETIM   |             |          |
|        | ETIM 9.0    | EC001031 |
| UNSPSC |             |          |
|        | 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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