

# BC 107,6 OT U11 BK VPE80 - Upper housing part



1006943

<https://www.phoenixcontact.com/us/products/1006943>

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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: 107.6 mm, height: 89.7 mm, depth: 54.85 mm, color: black (similar RAL 9005)

## 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                          | 1006943                        |
| Packing unit                         | 80 pc                          |
| Minimum order quantity               | 480 pc                         |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ACHBAB                         |
| GTIN                                 | 4055626481005                  |
| Weight per piece (including packing) | 22.66 g                        |
| Weight per piece (excluding packing) | 22.66 g                        |
| Country of origin                    | DE                             |

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## Technical data

### Notes

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

### Product properties

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| Product type                 | Upper housing part                                                                 |
| Housing type                 | DIN rail housing for use in distribution boards in accordance with DIN 43880       |
| Housing series               | BC                                                                                 |
| Product family               | BC 107,6..                                                                         |
| Max. number of positions     | 64 (pitch: 2.5 mm)<br>48 (pitch: 3.5 mm)<br>36 (pitch: 5 mm)<br>24 (pitch: 7.5 mm) |
| Number (Connection openings) | 4                                                                                  |
| Ventilation openings present | yes                                                                                |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 107.6 mm                                                                             |
| Height              | 89.7 mm                                                                              |
| Depth               | 54.85 mm                                                                             |
| Horizontal pitch    | 6 Div.                                                                               |

### PCB design

|               |                   |
|---------------|-------------------|
| PCB thickness | 1.4 mm ... 1.8 mm |
|---------------|-------------------|

### Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color (Upper housing part)             | black (RAL 9005) |
| Material Upper housing part            | PC               |
| Flammability rating according to UL 94 | V0               |
| Surface characteristics                | untreated        |

### Environmental and real-life conditions

#### Vibration test

|               |                       |
|---------------|-----------------------|
| Specification | IEC 60068-2-6:2007-12 |
|---------------|-----------------------|

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|                        |                             |
|------------------------|-----------------------------|
| 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.) |

## 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 %                                               |

## PCB data

|                       |                   |
|-----------------------|-------------------|
| Number of PCB holders | 12                |
| Type of PCB mount     | Latching          |
| Thickness of the PCB  | 1.4 mm ... 1.8 mm |

## Mounting

|               |         |
|---------------|---------|
| Mounting type | Snap in |
|---------------|---------|

## Packaging specifications

|                      |                     |
|----------------------|---------------------|
| Type of packaging    | packed in cardboard |
| Outer packaging type | Carton              |

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## 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.

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1006943>



**UL Recognized**

Approval ID: E240868

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190603 |
| ECLASS-15.0 | 27190603 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002779 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| 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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