

# BC 161,6 DKL S TRANS - Housing cover



2278542

<https://www.phoenixcontact.com/us/products/2278542>

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DIN rail housing for use in distribution boards in accordance with DIN 43880, transparent hinged cover, can be sealed, including insertion plate, width: 161.6 mm, height: 45 mm, depth: 8 mm, color: light gray (similar RAL 7035)

## 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                          | 2278542       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC10          |
| Product key                          | ACHBAB        |
| GTIN                                 | 4046356299459 |
| Weight per piece (including packing) | 34.9 g        |
| Weight per piece (excluding packing) | 33.369 g      |
| Customs tariff number                | 84879090      |
| 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                 | Cover                                                                        |
| Housing type                 | DIN rail housing for use in distribution boards in accordance with DIN 43880 |
| Housing series               | BC                                                                           |
| Product family               | BC 161,6..                                                                   |
| Number (Connection openings) | 0                                                                            |
| Ventilation openings present | no                                                                           |

### Dimensions

|                  |          |
|------------------|----------|
| Width            | 161.6 mm |
| Height           | 45 mm    |
| Depth            | 8 mm     |
| Horizontal pitch | 9 Div.   |

### Material specifications

|                                        |                       |
|----------------------------------------|-----------------------|
| Color (Insertion plate)                | light gray (RAL 7035) |
| Color (Housing cover)                  | transparent           |
| Material                               | 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       |
| 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 %                                               |

## PCB data

|                   |          |
|-------------------|----------|
| Type of PCB mount | Latching |
|-------------------|----------|

## Mounting

|               |                            |
|---------------|----------------------------|
| Mounting type | can be swiveled and sealed |
|---------------|----------------------------|

## Packaging specifications

|                   |               |
|-------------------|---------------|
| Type of packaging | Box packaging |
|-------------------|---------------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2278542>



**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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