

# EH 70 F-B/ABS BK9005 - Mounting base housing



2201818

<https://www.phoenixcontact.com/us/products/2201818>

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DIN rail housing, Lower housing part with base latch, flat design, without vents, width: 70.1 mm, height: 75 mm, depth: 30.3 mm, color: black (similar RAL 9005), cross connection: without bus connector, number of positions cross connector: not relevant

## Your advantages

- DIN rail or panel mounting for application-specific device attachment
- Easy design-in, thanks to variable housing form factor
- Complete flexibility, thanks to PCBs with horizontal, frontal, and orthogonal orientation to the front of the device
- Three cover versions for individual PCB connections
- Integration of a wide variety of PCB connection technologies for a functional device design

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2201818       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC12          |
| Product key                          | ACHCHB        |
| GTIN                                 | 4046356911726 |
| Weight per piece (including packing) | 25.55 g       |
| Weight per piece (excluding packing) | 26.3 g        |
| Customs tariff number                | 84879090      |
| Country of origin                    | IN            |

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## Technical data

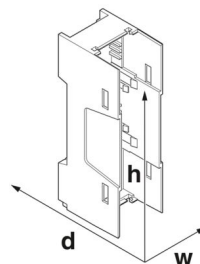
### Notes

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

### Product properties

|                              |   |
|------------------------------|---|
| Product type                 | Lower housing part  |
| Housing type                 | DIN rail housing  |
| Housing type                 | Basic housing   |
| Housing series               | EH  |
| Product family               | EH..F..ABS..  |
| Type                         | Lower housing parts without vents, housing cover necessary to complete the module |
| Max. number of positions     | 0)  |
| Ventilation openings present | no  |

### Dimensions

|  |  |
|--|--|
| Dimensional drawing  |  |
| Width  | 70.1 mm  |
| Height   | 75 mm  |
| Depth  | 30.3 mm  |
| Depth from top edge of DIN rail to support point on upper part | 26 mm  |

### PCB design

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

### Material specifications

|  |                  |
|--|------------------|
| Color (Housing)                        | black (RAL 9005) |
| Material                               | ABS              |
| Flammability rating according to UL 94 | HB               |

### 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) |

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

## Thermal stability / ball thrust test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature   | 80 °C                  |
| Test duration | 1 h                    |
| Force         | 20 N                   |

## Mechanical strength / tumbling barrel

|                |                     |
|----------------|---------------------|
| Specification  | IEC 60998-1:2002-12 |
| Height of fall | 50 cm               |
| Frequency      | 10                  |

## 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 ... 80 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                  |
| Ambient temperature (assembly)          | -5 °C ... 80 °C                                   |
| Relative humidity (storage/transport)   | 95 %  |

## PCB data

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

## Mounting

|               |   |
|---------------|---|
| Mounting type | DIN rail mounting/panel mounting (with optional base latch) |
|---------------|---|

## Packaging specifications

|                   |                     |
|-------------------|---------------------|
| Type of packaging | packed in cardboard |
|-------------------|---------------------|

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|                      |        |
|----------------------|--------|
| 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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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190601 |
| ECLASS-15.0 | 27190601 |

### 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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