

EH 90 F-B/ABS BK9005 - Mounting base housing



2200664

<https://www.phoenixcontact.com/us/products/2200664>

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DIN rail housing, Lower housing part with base latch, flat design, without vents, width: 90.1 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 | 2200664 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AC12 |
| Product key | ACHCHB |
| GTIN | 4046356911139 |
| Weight per piece (including packing) | 33 g |
| Weight per piece (excluding packing) | 32.3 g |
| Customs tariff number | 84879090 |
| Country of origin | IN |

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Technical data

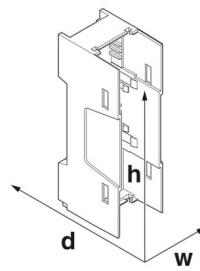
Notes

| | |
|---------------|---|
| 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 | 90.1 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 (Lower housing part) | black (RAL 9005) |
| Material Lower housing part | ABS |
| Flammability rating according to UL 94 | HB |
| 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 |

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

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

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| | |
|----------------------|---------------------|
| 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/2200664>



UL Recognized

Approval ID: E240868

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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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