

# EH 90 F-C DS/ABS GY7035 - Upper part of housing



2201778

<https://www.phoenixcontact.com/in/products/2201778>

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DIN rail housing, Upper housing part, flat design, connection opening on both sides, width: 90.1 mm, height: 74.65 mm, depth: 36.95 mm, color: light grey (7035)

## Your advantages

- DIN rail or wall 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                          | 2201778       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales Key                            | ACH           |
| Product Key                          | ACHCHC        |
| GTIN                                 | 4046356911962 |
| Weight per Piece (including packing) | 30.4 g        |
| Weight per Piece (excluding packing) | 30 g          |
| Customs tariff number                | 85472000      |
| Country of origin                    | IN            |

## Technical Data

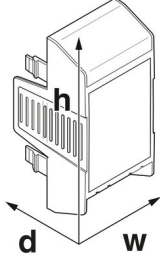
### Notes

|                       |   |
|-----------------------|---|
| Assembly instruction: | Refer to the data sheet for the range in the download area. |
|-----------------------|---|

### Product properties

|                              |   |
|------------------------------|---|
| Product type                 | Upper housing part  |
| Product family               | EH...F-C DS   |
| Type                         | Upper housing part, flat design, connection opening on both sides |
| Housing type                 | DIN rail housing  |
| Ventilation openings present | no  |
| Housing series               | EH  |

### Dimensions

|                                 |   |
|---------------------------------|---|
| Dimensional drawing             |  |
| Width                           | 90.1 mm   |
| Height                          | 74.65 mm  |
| Depth                           | 36.95 mm  |
| Depth from base support surface | 19.95 mm  |

### Material specifications

|  |                   |
|--|-------------------|
| Color                                  | light grey (7035) |
| Flammability rating according to UL 94 | HB                |
| Surface characteristics                | untreated         |
| Housing material                       | ABS               |

### Environmental and real-life conditions

#### 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

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

## Mounting

|                   |                                |
|-------------------|--------------------------------|
| Mounting type     | Snap in                        |
| Mounting position | Vertical (horizontal DIN rail) |

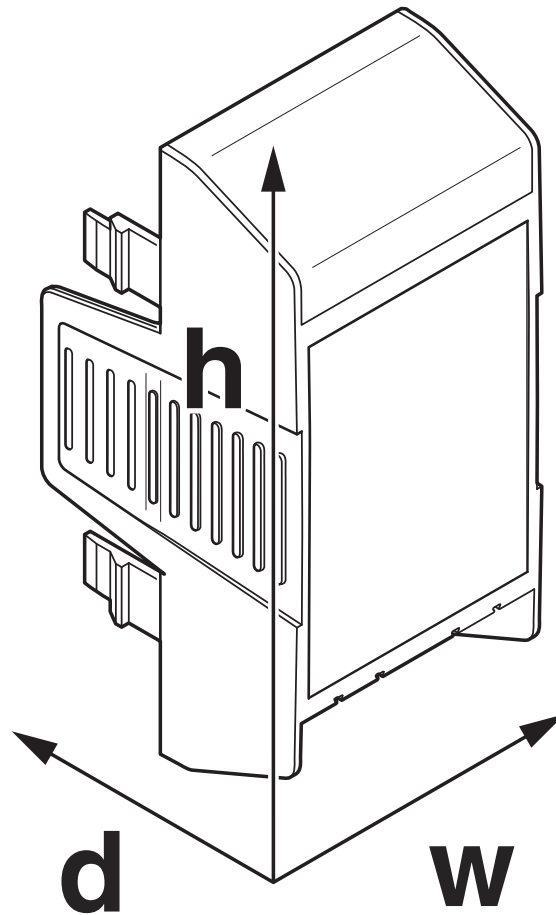
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## Drawings

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



**UL Recognized**

Approval ID: FILE E 240868

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## Classifications

### ECLASS

ECLASS-11.0

27182702

### ETIM

ETIM 8.0

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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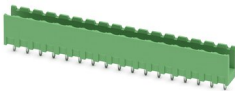
<https://www.phoenixcontact.com/in/products/2201778>

## Mandatory Accessories

### MSTBV 2,5/17-G - PCB header

1753738

<https://www.phoenixcontact.com/in/products/1753738>



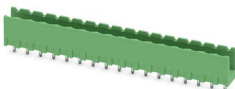
PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Pin, number of potentials: 17, number of rows: 1, number of positions: 17, number of connections: 17, product range: MSTBV 2,5/..-G, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard

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### MSTBV 2,5/17-G-5,08 - PCB header

1758160

<https://www.phoenixcontact.com/in/products/1758160>



PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Pin, number of potentials: 17, number of rows: 1, number of positions: 17, number of connections: 17, product range: MSTBV 2,5/..-G, pitch: 5.08 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard



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## PST 1,3/17-5,0 - Pin strip

1935556

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Pin strip, nominal cross section: 1.5 mm<sup>2</sup>, color: black, nominal current: 12 A (depends on the plug used), rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Pin, number of potentials: 17, number of rows: 1, number of positions: 17, number of connections: 17, product range: PST 1,3/..-V, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 3.5 mm, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

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## Accessories

### EH 22,5 F-FP/ABS BK9005 - Filler plugs

2201845

<https://www.phoenixcontact.com/in/products/2201845>



DIN rail housing, Filler plug for unoccupied terminal points (flat design), with vents, width: 21.35 mm, height: 33.39 mm, depth: 13.67 mm, color: black (9005)

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## EH 22,5 F-FP/ABS GY7035 - Filler plugs

2201844

<https://www.phoenixcontact.com/in/products/2201844>



DIN rail housing, Filler plug for unoccupied terminal points (flat design), with vents, width: 21.35 mm, height: 33.39 mm, depth: 13.67 mm, color: light grey (7035)

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