

# EH 70-C SS/ABS GY7035 - Upper part of housing



2201748

<https://www.phoenixcontact.com/in/products/2201748>

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DIN rail housing, Upper housing part, tall design, connection opening on one side, connection opening on one side, width: 70.1 mm, height: 75 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                          | 2201748       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales Key                            | ACH           |
| Product Key                          | ACHCHC        |
| GTIN                                 | 4046356908207 |
| Weight per Piece (including packing) | 28.03 g       |
| Weight per Piece (excluding packing) | 28.03 g       |
| Customs tariff number                | 85472000      |
| Country of origin                    | IN            |

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## Technical Data

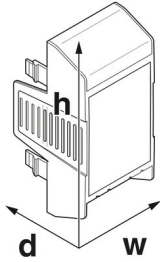
### Notes

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

### Product properties

|                              |   |
|------------------------------|---|
| Product type                 | Upper housing part  |
| Product family               | EH...C SS   |
| Type                         | Upper housing part, tall design, connection opening on one side |
| Housing type                 | DIN rail housing  |
| Ventilation openings present | no  |
| Housing series               | EH  |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Width                           | 70.1 mm  |
| Height                          | 75 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

#### 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           |

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## 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 | Slot |
|-------------------|------|

## Mounting

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

## Packaging specifications

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

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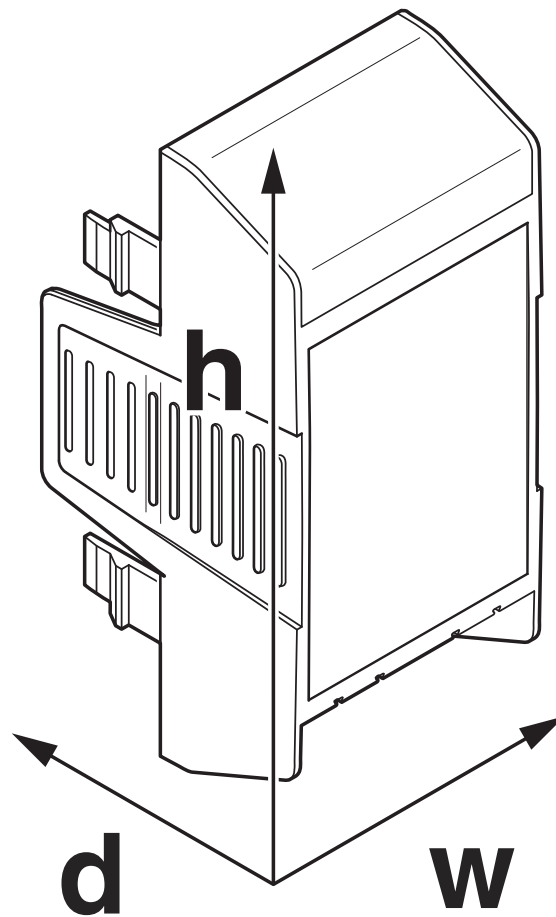
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## Drawings

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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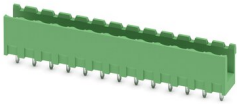
<https://www.phoenixcontact.com/in/products/2201748>

## Mandatory Accessories

### MSTBV 2,5/13-G - PCB header

1753657

<https://www.phoenixcontact.com/in/products/1753657>



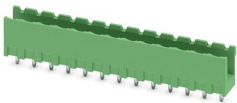
PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Pin, number of potentials: 13, number of rows: 1, number of positions: 13, number of connections: 13, product range: MSTBV 2,5/..-G, pitch: 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 2,5/13-G-5,08 - PCB header

1758128

<https://www.phoenixcontact.com/in/products/1758128>



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: 13, number of rows: 1, number of positions: 13, number of connections: 13, 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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## Accessories



## EH 70-C SS/ABS GY7035 - Upper part of housing

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## EH 17,5-FP/ABS BK9005 - Filler plugs

2201841

<https://www.phoenixcontact.com/in/products/2201841>



DIN rail housing, Filler plug for unoccupied terminal points (tall design), width: 16.3 mm, height: 19.65 mm, depth: 13.67 mm, color: black (9005)

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## EH 17,5-FP/ABS GY7035 - Filler plugs

2201840

<https://www.phoenixcontact.com/in/products/2201840>



DIN rail housing, Filler plug for unoccupied terminal points (tall design), width: 16.3 mm, height: 19.65 mm, depth: 13.67 mm, color: light grey (7035)

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