

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



2201282

<https://www.phoenixcontact.com/us/products/2201282>

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DIN rail housing, Upper housing part, flat design, connection opening on one side, connection opening on one side, width: 90.1 mm, height: 74.65 mm, depth: 36.95 mm, color: light grey (similar RAL 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	2201282
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC12
Product key	ACHCHC
GTIN	4046356911191
Weight per piece (including packing)	34 g
Weight per piece (excluding packing)	32 g
Customs tariff number	84879090
Country of origin	IN

## Technical data

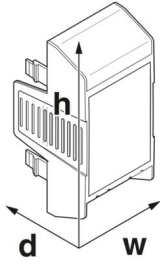
### Notes

General	Refer to the data sheet for the range in the download area.
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### Product properties

Product type	Upper housing part
Housing series	EH
Product family	EH 90-..
Type	Upper housing part, flat design, connection opening on one side
Housing type	DIN rail housing
Ventilation openings present	yes

### 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 (Housing)	light grey (RAL 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
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## 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
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## 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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## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

### ETIM

ETIM 9.0	EC001031
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### 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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