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 gray (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

Assembly note	Refer to the data sheet for the range in the download area.

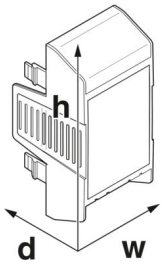
Product properties

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

Data management status

Article revision	00

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 gray (RAL 7035)
Flammability rating according to UL 94	HB
Housing material	ABS
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
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	Slot

Mounting

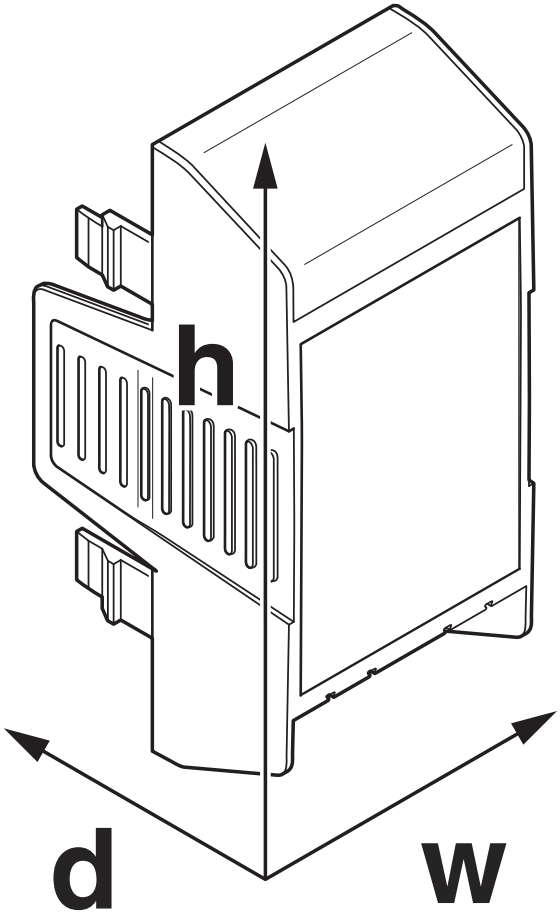
Mounting type	Snap in
Mounting position	Vertical (horizontal DIN rail)

Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2201282

UL Recognized
Approval ID: FILE E 240868

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

ETIM

ETIM 9.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

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

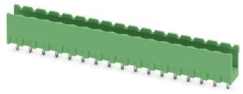
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Mandatory accessories

MSTBV 2,5/17-G - PCB header

1753738

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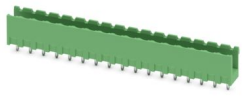


PCB headers, nominal cross section: 2.5 mm^2, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of potentials: 17, number of rows: 1, number of positions: 17, number of connections: 17, product range: MSTBV 2,5/..-G, pitch: 5 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

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

1758160

https://www.phoenixcontact.com/us/products/1758160



PCB headers, nominal cross section: 2.5 mm^2, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: 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

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

1935556

https://www.phoenixcontact.com/us/products/1935556



Pin strip, nominal cross section: 1.5 mm^2, color: black, nominal current: 12 A (depends on the plug used), rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: 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 / wave 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.

Accessories

EH 22,5 F-FP/ABS BK9005 - Filler plug

2201845

https://www.phoenixcontact.com/us/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 (similar RAL 9005)

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EH 22,5 F-FP/ABS GY7035 - Filler plug

2201844

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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 gray (similar RAL 7035)

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