

EH 45-C SS/ABS-PC GY7035 - Upper housing part



1029835

<https://www.phoenixcontact.com/us/products/1029835>

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DIN rail housing, Upper housing part, tall design, connection opening on one side, connection opening on one side, width: 45.1 mm, height: 75.26 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	1029835
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	ACHCHC
GTIN	4055626531632
Weight per piece (including packing)	17.3 g
Weight per piece (excluding packing)	17.3 g
Country of origin	IN

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Technical data

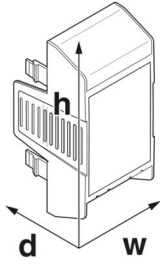
Notes

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 45-..
Type	Upper housing part, tall design, connection opening on one side
Housing type	DIN rail housing
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	45.1 mm
Height	75.26 mm
Depth	36.95 mm
Depth from base support surface	19.95 mm

PCB design

PCB thickness	1.4 mm ... 1.8 mm
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Material specifications

Color (Housing)	light grey (RAL 7035)
Flammability rating according to UL 94	V0
Surface characteristics	untreated
Housing material	ABS-PC

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)

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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
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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
Thickness of the PCB	1.4 mm ... 1.8 mm

Mounting

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

Packaging specifications

Type of packaging	packed in cardboard
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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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