

UCS HH 237-195 7035 - Housing half shell



2203356

<https://www.phoenixcontact.com/pc/products/2203356>

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Housing half shell for creating a UCS housing of 237 x 195 mm; material: polycarbonate; color: light gray similar to RAL 7035



Your advantages

- High degree of application flexibility, thanks to the modular housing design
- Flexible PCB attachment, adapts to virtually all form factors
- Practical customization options
- Reduced logistics outlay, thanks to components which are compatible with one another

Commercial data

Item number	2203356
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	ACFCAA
GTIN	4055626427720
Weight per piece (including packing)	219.8 g
Weight per piece (excluding packing)	219.8 g
Customs tariff number	84879090
Country of origin	DE

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Technical data

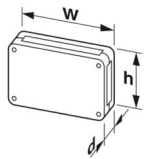
Notes

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

Product type	Housing half shells
Product family	UCS 237-195
Housing series	UCS
Type	Housing half shell
Housing type	Universal housings
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	237 mm
Height	195 mm
Depth	21.75 mm

PCB design

PCB thickness	0.8 mm ... 3 mm
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Material specifications

Color (Housing)	light grey (RAL 7035)
Flammability rating according to UL 94	V0
CTI according to IEC 60112	225
Insulating material	PC
Housing material	PC
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

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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	125 °C
Test duration	1 h
Force	20 N

Mechanical strength / tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Frequency	50

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.)

Test for substances that would hinder coating with paint or varnish

Specification	VW PV 3.10.7:2005-02
Result	Test passed

Degree of protection (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP40

Ambient conditions

Max. IP code to attain	IP40
Ambient temperature (operation)	-40 °C ... 105 °C (depending on power dissipation)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	95 %

PCB data

Type of PCB mount	Bolt mounting
Total PCB surface	35800 mm²
Thickness of the PCB	0.8 mm ... 3 mm
Supported form factors	Raspberry Pi, Pico-ITX, PC/104, Nano-ITX, Mini-ITX, Mini-DTX, ETX, EPIC, EBX

Mounting

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Mounting type	Screw mounting
Mounting position	any
Tightening torque / speed	Screw connection between housing halves: 1.2 Nm-1.4 Nm / 500 rpm-1000 rpm
	Mounting of PCB on corner feeder: 0.4 Nm-0.5 Nm / 500 rpm-1000 rpm

Packaging specifications

Type of packaging	Box packaging
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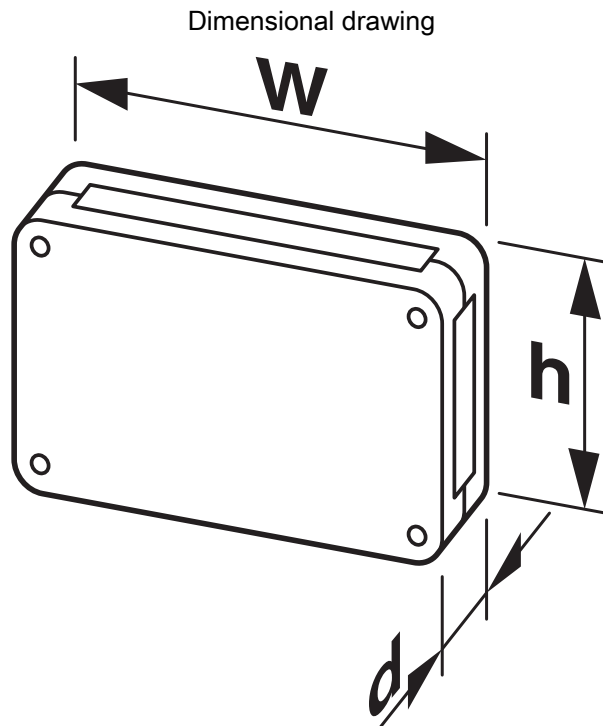
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Drawings



Schematic representation – for additional information, see product range drawing in the Download Center

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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

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%

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