UCS HH 145-125 7035 - Housing half shell

2203351

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Housing half shell for creating a UCS housing of 145 x 125 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	2203351
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	ACFCAA
Product key	ACFCAA
GTIN	4055626427683
Weight per piece (including packing)	109,5 g
Weight per piece (excluding packing)	109,5 g
Customs tariff number	84879090
Country of origin	DE

Technical data

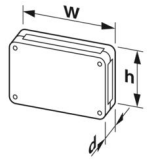
Notes

Assembly note	Please observe the application note in the download area.

Product properties

Housing type	Universal housings
Housing type	Universal housings
Housing series	UCS
Product family	UCS 145-125
Ventilation openings present	no

Dimensions

Dimensional drawing	
Width	145 mm
Height	125 mm
Depth	21.75 mm

PCB design

PCB thickness	0.8 mm ... 3 mm

Material specifications

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

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	11800 mm²
Thickness of the PCB	0.8 mm ... 3 mm
Supported form factors	Raspberry Pi, Pico-ITX, PC/104, ETX

Mounting

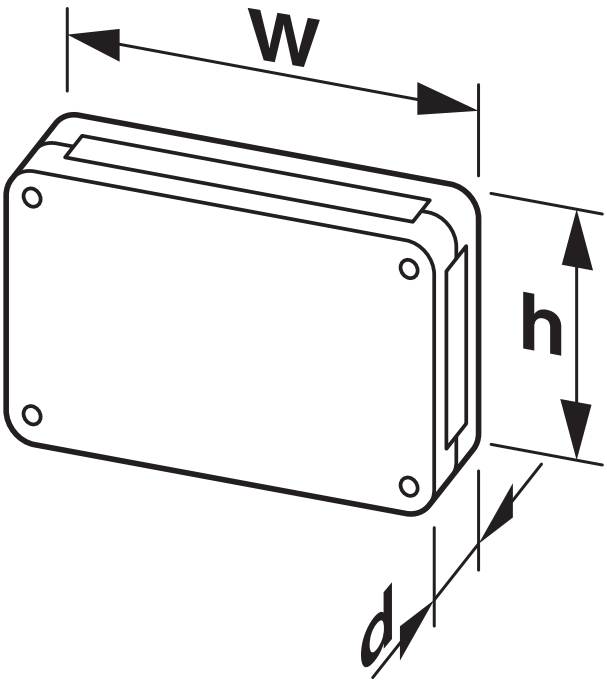
Mounting type	Screw mounting
Mounting position	any
Tightening torque / speed	Screw connection between housing halves: 1.2 - 1.4 Nm / 500 - 1000 rpm
	Mounting of PCB on corner feeder: 0.4 - 0.5 Nm / 500 - 1000 rpm

Packaging specifications

Type of packaging	Box packaging

Drawings

Dimensional drawing



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

Classifications

ECLASS

ECLASS-13.0	27190603
ECLASS-15.0	27190603

ETIM

ETIM 9.0	EC002779

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.)	Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a)

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