

2203350

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Housing half shell for creating a UCS housing of 125 x 87 mm; material: polycarbonate; color: black similar to RAL 9005

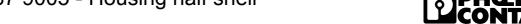


Your advantages

- · 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	2203350
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ACFCAA
GTIN	4055626427676
Weight per piece (including packing)	66.37 g
Weight per piece (excluding packing)	48.86 g
Customs tariff number	84879090
Country of origin	DE



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

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Technical data

General

Notes

Product properties		
	Product type	Housing half shells
	Product family	UCS 125-87
	Housing series	UCS
	Туре	Housing half shell
	Housing type	Universal housings

no

Dimensions

Ventilation openings present

Dimensional drawing	d h
Width	125 mm
Height	87 mm
Depth	21.75 mm
PCB design	
PCB thickness	0.8 mm 3 mm

Material specifications

Color (Housing)	black (RAL 9005)
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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Temperature 850 °C Time of exposure 30 s ermal stability / ball thrust test Specification IEC 60695-10-2:2014-02 Temperature 125 °C Test duration 1 h Force 20 N schanical strength / tumbling barrel Specification IEC 60068-2-31:2008-05 Height of fall 50 cm Frequency 50 cocks Specification IEC 60068-2-27:2008-02 Half-sine Acceleration 15g Shock duration 11 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) at for substances that would hinder coating with paint or varnish Specification IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 Result Test passed gree of protection (IP code) Specification IP40 Ambient temperature (storage/transport) 40 °C 70 °C Ambient temperature (assembly) Relative humidity (storage/transport) 95 % at data Type of PCB mount	Specification	IEC 60695-2-11:2014-02
Part	Temperature	850 °C
Temperature	Time of exposure	30 s
Specification IEC 60895-10-2:2014-02 Temperature 125 °C Test duration 1 h Force 20 N Archanical strength / tumbling barrel Specification IEC 60068-2-31:2008-05 Height of fall 50 cm Frequency 50 Specification IEC 60068-2-27:2008-02 Height of fall 50 cm Frequency 50 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.) Set 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 temperature (operation) 40 °C 70 °C Ambient temperature (assembly) 5 °C 100 °C Relative humidity (storage/transport) 95 % B data Type of PCB mount Bolt mounting Test force Test passed Type of PCB mount Bolt mounting Description IP40 Ambient temperature (assembly) 5 °C 100 °C Relative humidity (storage/transport) 95 % B data Type of PCB mount Bolt mounting Test force Test passed Test force	hermal stability / ball thrust test	
Temperature		IEC 60695-10-2:2014-02
Test duration		125 °C
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.) Fest 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) -5 °C 100 °C Relative humidity (storage/transport) 95 % Bill data Type of PCB mount Bolt mounting		1 h
IEC 60068-2-31:2008-05	Force	20 N
IEC 60068-2-31:2008-05	Mechanical strength / tumbling barrel	
Shocks Specification IEC 60068-2-27:2008-02 Pulse shape Acceleration Shock duration Number of shocks per direction Number of shocks per direction Test directions X-, Y- and Z-axis (pos. and neg.) Fest 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 Ambient conditions Max. IP code to attain Ambient temperature (operation) Ambient temperature (storage/transport) And °C 105 °C (depending on power dissipation) Ambient temperature (assembly) And °C 70 °C And Note the protection (assembly) Relative humidity (storage/transport) Bolt mounting		IEC 60068-2-31:2008-05
Shocks Specification IEC 60068-2-27:2008-02 Pulse shape Acceleration 15g Shock duration 11 ms Number of shocks per direction 3 Test directions X-, Y- and Z-axis (pos. and neg.) Fest 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 Ambient temperature (operation) Ambient temperature (storage/transport) Ambient temperature (assembly) Relative humidity (storage/transport) PGC 60529:1989-11 + OCC PGC 100 °C PGC mount Bolt mounting Bolt mounting	Height of fall	50 cm
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.) Fest 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 % Be data Type of PCB mount	Frequency	50
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Ambient temperature (storage/transport) -40 °C 70 °C Ambient temperature (assembly) -5 °C 100 °C Relative humidity (storage/transport) 95 % B data Type of PCB mount Bolt mounting	Ambient temperature (operation)	
Relative humidity (storage/transport) 95 % B data Type of PCB mount Bolt mounting		
B data Type of PCB mount Bolt mounting	Ambient temperature (assembly)	-5 °C 100 °C
Type of PCB mount Bolt mounting	Relative humidity (storage/transport)	95 %
Type of PCB mount Bolt mounting	B data	
		Bolt mounting
		6000 mm ²

0.8 mm ... 3 mm

Raspberry Pi

Mounting

Thickness of the PCB

Supported form factors



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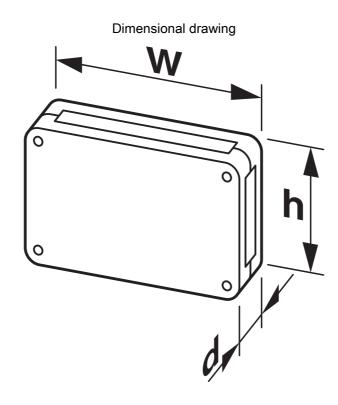
Mounting type	Screw mounting
Mounting position	any
Tightening torque / speed	Screw connection between housing halves: 1.2 Nm-1.4 Nm / 500 rpm-1000 rpm
	Mounting of PCB on corner feeder: 0.4 Nm-0.5 Nm / 500 rpm-1000 rpm
ckaging specifications	
Type of packaging	Box packaging

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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
ΕΊ	ГІМ	
	ETIM 9.0	EC001031
U	NSPSC	
	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.)	Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a)

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