

Electronic housing - UCS 195-145-H-GD 9005 - 2203340

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Complete housing for PCBs, can be positioned flexibly; includes housing half shells, side panels closed, adhesive domes for PCB attachment, screws for housing and PCB attachment; housing: black with turquoise blue corner inlays

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

Key commercial data

package_quantity	1
GTIN	4055626404516

Technical data

Item properties

Type	UCS 195-145-H-GD 9005
Order No.	2203340
Housing type	Universal housings
Type	high

Measurements

Dimensional drawing	
Width [w]	195 mm
Height [h]	145 mm
Depth [d]	67 mm
Dimensions	170 mm x 120 mm (Maximum circuit board dimensions)

Material specifications

Color (RAL)	black (9005)
Flammability rating according to UL 94	V0

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Material specifications

Housing material	PC
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Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (depending on power dissipation)
Relative humidity (storage/transport)	80 %

PCB data

Number of PCB holders	1
Note on PCB holders	This product is prepared for a printed-circuit board. Additional printed-circuit boards can be mounted using adhesive pads (accessories).
PCB thickness	0.8 mm ... 3 mm
Total PCB surface	14400 mm ²
Type of PCB mount	Bolt mounting

Power dissipation, single housing at 20 °C

Ambient temperature	20 °C
Reduction factor	1
Mounting position	vertical
Power dissipation	31 W

Power dissipation, single housing at 30 °C

Ambient temperature	30 °C
Reduction factor	0.81
Mounting position	vertical
Power dissipation	25 W

Power dissipation, single housing at 40 °C

Ambient temperature	40 °C
Reduction factor	0.64
Mounting position	vertical
Power dissipation	20 W

Power dissipation, single housing at 50 °C

Ambient temperature	50 °C
Reduction factor	0.5
Mounting position	vertical
Power dissipation	15.5 W

Power dissipation, single housing at 60 °C

Ambient temperature	60 °C
Reduction factor	0.38
Mounting position	vertical
Power dissipation	12 W

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Mechanical strength/tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Number of drop cycles	50

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 - 58.1 Hz)
Acceleration	2g (58.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Shock

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.)

Thermostability (ball thrust test)

Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N

Test for assessing the risk of fire (glow wire)

Specification	DIN EN 60695-2-11 (VDE 0471-2-11):2014-11
Temperature	850 °C
Time of exposure	30 s

Test for substances that would hinder coating with paint or varnish

Result	Test passed
Specification	VW PV 3.10.7:2005-02

Degrees of protection provided by enclosures (IP code)

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

General information

Note	The housing can be opened a maximum of 10 times.
	Attach the adhesive pads: Make sure that the surface of the housing is clean, dry, and free of grease. Temperature range:

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General information

	+18°C ... +30°C / Closing pressure force: 60 N / Closing pressure time: 3 s
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Note on mounting

Tightening torque / rotational speed	Screw connection between housing halves: 1.2 Nm-1.4 Nm / 500 rpm-1000 rpm
	Mounting the PCB: 0.4 Nm-0.5 Nm / 500 rpm-1000 rpm
Drive form screw head	Screw connection between housing halves: Slotted Torx®(T10)
	Mounting the PCB: Slotted Torx®(T7)

Packaging information

Type of packaging	Box packaging
Pieces per package	1
Denomination packing units	Pcs.

Standards and regulations

Flammability rating according to UL 94	V0
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Classifications

eCl@ss

eCl@ss 5.1	27180506
eCl@ss 6.0	27180800
eCl@ss 7.0	27182702
eCl@ss 8.0	27182702
eCl@ss 9.0	27182702

ETIM

ETIM 5.0	EC001031
ETIM 6.0	EC001031
ETIM 7.0	EC001031

Accessories

Screwdriver tools

SF-TXH 10X80 - 1200149



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Accessories

SF-BIT-TX 10-50 - 1212573



Torque tool

SF-ASD 21 - 1212532

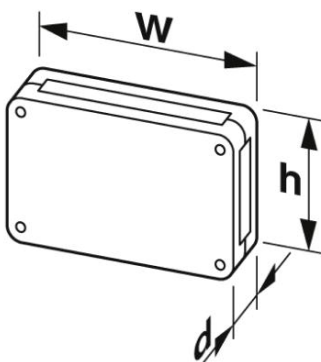


TSD-M 1,2NM - 1212224



Drawings

Dimensional drawing



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