PHŒNIX CONTACT

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

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; light gray housing 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 404509
GTIN	4055626404509
Weight per Piece (excluding packing)	343.160 g
Custom tariff number	85389099
Country of origin	Germany

Technical data

Item properties

Type	UCS 195-145-H-GD 7035
Order No.	2203338
Type	high
Housing type	Universal housings

Measurements

Width [w]	195 mm
Height [h]	145 mm
Depth [d]	67 mm

PHŒNIX CONTACT

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Technical data

Material specifications

Housing material	PC
Color (RAL)	light gray (7035)

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 mm²
Type of PCB mount	Bolt mounting
Supported form factors	EPIC, ETX,Nano-ITX, PC/104, Pico-ITX, Raspberry Pi

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

Power dissipation, single housing at 40 °C

Ambient temperature	60 °C
Reduction factor	0.39
Mounting position	vertical
Power dissipation	12 W

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

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Technical data

Vibration test

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

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)

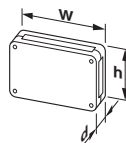# Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Technical data

Packaging information

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

Drawings

Dimensional drawing

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

Accessories

Accessories

Screwdriver tools

Screwdriver - SF-TXH 10X80 - 1200149

Screwdriver, Torx® with bore hole, TX 10 x 80, two-component handle

Screw insert - SF-BIT-TX 10-50 - 1212573

Screw bit, Torx®, E6.3-1/4" drive, size: TX 10 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

PHŒNIX CONTACT

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Accessories

Torque tool

Battery-powered screwdriver - SF-ASD 21 - 1212532

Cordless screwdriver, incl. 1.5 Ah battery, forward/reverse running, 21-stage coupling, up to 600 rpm, 6.3 mm hexagonal fast connection drill chuck, torque can be adjusted from 0.3 ... 4.4 Nm

---

Torque screwdriver - TSD-M 1,2NM - 1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

---

Additional products

Accessories - UCS GD 9005 - 2203401

Adhesive screw boss, for securing the printed-circuit board, material: polyamide; content 4 pieces with screws 2.5 x 8

Fiber optic - HS LC-H-D2/ R2XC1-2,54 - 2202316

Light guides, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed), color: transparent

---

Fiber optic - HS LC-H-D2/ R2XC2-2,54 - 2202317

Light guides, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed), color: transparent

---

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Accessories

Fiber optic - HS LC-H-D2/ R2XC5-2,54 - 2202318

Light guides, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed), color: transparent

Fiber optic - HS LC-H-D2/ R2XC10-2,54 - 2202319

Light guides, can be used for the ME, ME-MAX, ME-IO, ME PLC, and EH housing ranges (housing must be processed), color: transparent

Corner inlay - UCS CC 7035 - 2203395

Corner inlay for UCS housings, material: polyamide, color: light gray, similar to RAL 7035

Corner inlay - UCS CC 9005 - 2203396

Corner inlay for UCS housings, material: polyamide, color: black, similar to RAL 9005

Accessories - UCS SF 3,5X20 - 2203402

Screw set for creating a UCS housing of height 47 mm

Electronic housing - UCS 195-145-H-GD 7035 - 2203338

Accessories

Accessories - UCS SF 3,5X40 - 2203403

Screw set for creating a UCS housing of height 67 mm