

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

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Complete housing for printed-circuit boards. Includes housing half shells, side panels with openings for all relevant connections, adhesive pads for affixing the Raspberry Pi model B2 and B3 computers, screws for housing and PCB attachment; black 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
- ✓ Delivery as a complete housing with ready-machined side panels



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4055626507439 |

Technical data

Item properties

| | |
|------------------------|---------------------------|
| Type | UCS 145-125-F-GD-RPI 9005 |
| Order No. | 1019720 |
| Housing type | Universal housings |
| Type | Flat design |
| Max. IP code to attain | IP40 |

Measurements

| | |
|--------------|--------|
| Width [w] | 145 mm |
| Height [h] | 125 mm |
| Depth [d] | 47 mm |

Material specifications

| | |
|-------------|--------------|
| Color (RAL) | black (9005) |
|-------------|--------------|

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Technical data

Material specifications

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
| Housing material | PC |

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 |
| Type of PCB mount | Bolt mounting |
| Supported form factors | Raspberry Pi |

Power dissipation, single housing at 20 °C

| | |
|---------------------|----------|
| Ambient temperature | 20 °C |
| Reduction factor | 1 |
| Mounting position | vertical |
| Power dissipation | 11 W |

Power dissipation, single housing at 30 °C

| | |
|---------------------|----------|
| Ambient temperature | 30 °C |
| Reduction factor | 0.85 |
| Mounting position | vertical |
| Power dissipation | 9.4 W |

Power dissipation, single housing at 40 °C

| | |
|---------------------|----------|
| Ambient temperature | 40 °C |
| Reduction factor | 0.7 |
| Mounting position | vertical |
| Power dissipation | 7.7 W |

Power dissipation, single housing at 50 °C

| | |
|---------------------|----------|
| Ambient temperature | 50 °C |
| Reduction factor | 0.55 |
| Mounting position | vertical |
| Power dissipation | 6 W |

Power dissipation, single housing at 60 °C

| | |
|---------------------|----------|
| Ambient temperature | 60 °C |
| Reduction factor | 0.4 |
| Mounting position | vertical |

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Power dissipation, single housing at 60 °C

| | |
|-------------------|-------|
| Power dissipation | 4.4 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 |
| 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 | IP00 |

General information

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Technical data

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

| | |
|-----------------------|--|
| 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. |

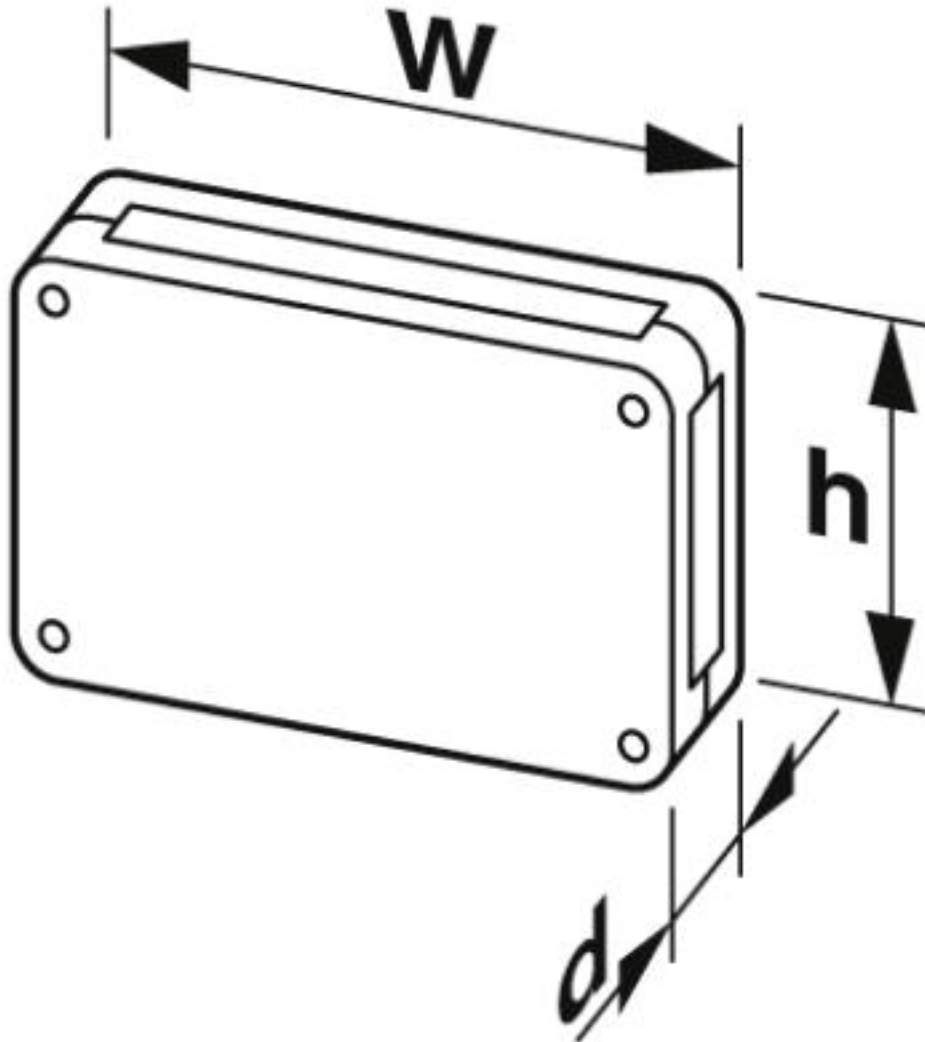
Standards and regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Drawings

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Dimensional drawing



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27182702 |
| 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 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 7.0 | 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

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

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Accessories

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



Screw set - UCS SF 3,5X20 - 2203402



Screw set for creating a UCS housing of height 47 mm

Screw set - UCS SF 3,5X40 - 2203403



Screw set for creating a UCS housing of height 67 mm

Mounting set - UCS GD 9005 - 2203401

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



Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Accessories

Stand - UCS PED 9005 - 2203393



Stand for mounting the UCS housing; height: 47 mm; material: polyamide; color: black, similar to RAL 9005; wall mounting option is integrated, snaps into the screw holes of the housing

Stand - UCS PED 7035 - 2203392



Stand for mounting the UCS housing; height: 47 mm; material: polyamide; color: light gray, similar to RAL 7035; wall mounting option is integrated, snaps into the screw holes of the housing

Stand - UCS PED 5018 - 2203394



Stand for mounting the UCS housing, height: 47 mm; material: polyamide; color: turquoise blue, similar to RAL 5018; wall mounting option is integrated, snaps into the screw holes of the housing

Wall bracket - UCS WM-B 7035 - 2203718



Adapter for mounting the UCS housing on the wall, material: polyamide, color: light gray similar to RAL 7035, used instead of UCS CC corner insert; only used in conjunction with UCS GD 9005 adhesive pad

Wall bracket - UCS WM-B 9005 - 2203719



Adapter for mounting the UCS housing on the wall, material: polyamide, color: black similar to RAL 9005, used instead of UCS CC corner insert; only used in conjunction with UCS GD 9005 adhesive pad

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Accessories

Wall bracket - UCS WM-B 5018 - 2203391



Adapter for mounting the UCS housing on the wall, material: polyamide, color: turquoise similar to RAL 5018, used instead of UCS CC corner insert. Only used in conjunction with UCS GD 9005 adhesive pad

Stand - UCS PED 7035 - 2203392



Stand for mounting the UCS housing; height: 47 mm; material: polyamide; color: light gray, similar to RAL 7035; wall mounting option is integrated, snaps into the screw holes of the housing

Stand - UCS PED 9005 - 2203393



Stand for mounting the UCS housing; height: 47 mm; material: polyamide; color: black, similar to RAL 9005; wall mounting option is integrated, snaps into the screw holes of the housing

Stand - UCS PED 5018 - 2203394



Stand for mounting the UCS housing, height: 47 mm; material: polyamide; color: turquoise blue, similar to RAL 5018; wall mounting option is integrated, snaps into the screw holes of the housing

Corner guards - UCS CP 7035 - 2203346



Adapter for protecting the corners of the UCS housing; material: TPE-U; color: light gray, similar to RAL 7035; held in the screw holes of the housing

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Accessories

Corner guards - UCS CP 9005 - 2203347



Adapter for protecting the corners of the UCS housing; material: TPE-U; color: black, similar to RAL 9005; held in the screw holes of the housing

Corner guards - UCS CP 5018 - 2203348



Adapter for protecting the corners of the UCS housing; material: TPE-U; color: turquoise blue, similar to RAL 5018; held in the screw holes of the housing

Stacking adapters - UCS CS 7035 - 2203720



Adapter for stacking several UCS housings of one size; material: TPE-U; color: light gray, similar to RAL 7035; held in the screw holes of the housing

Stacking adapters - UCS CS 9005 - 2203721



Adapter for stacking several UCS housings of one size; material: TPE-U; color: black, similar to RAL 9005; held in the screw holes of the housing

Stacking adapters - UCS CS 5018 - 1029039



Adapter for stacking several UCS housings of one size; material: TPE-U; color: turquoise blue, similar to RAL 5018; held in the screw holes of the housing

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Accessories

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



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

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



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

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



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

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



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

DIN rail adapter - UCS DIN 125-F 7035 - 2203838



DIN rail adapter for mounting one UCS 125-87-F housing (long side) or UCS 145-125-F housing (short side) onto an NS 35 DIN rail; will be set into the housing instead of a UCS SW 125 side wall; material: polycarbonate; color: light gray, similar to RAL 7035

Universal housings - UCS 145-125-F-GD-RPI 9005 - 1019720

Accessories

DIN rail adapter - UCS DIN 145-F 7035 - 2203839

DIN rail adapter for mounting one UCS 145-125-F housing (long side) or UCS 195-145-F housing (short side) onto an NS 35 DIN rail; will be set into the housing instead of a UCS SW 145 side wall; material: polycarbonate; color: light gray, similar to RAL 7035



DIN rail adapter - UCS DIN 125-F 9005 - 1174338



DIN rail adapter - UCS DIN 145-F 9005 - 1174341



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