

HCS-C MEDIUM 1W 3AA 1 1 7035 - Electronics housing



2203163

<https://www.phoenixcontact.com/us/products/2203163>

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Handheld housing, C-Medium, light gray, consisting of two half shells, two front plates, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 3 AA batteries

Your advantages

- Suitable for handheld devices
- Easy integration of LCD displays and membrane keypads
- Ergonomic straight or staggered housing design
- Fast mounting, thanks to the modular design

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2203163 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AC02 |
| Product key | ACFACA |
| GTIN | 4055626377735 |
| Weight per piece (including packing) | 197.1 g |
| Weight per piece (excluding packing) | 197.1 g |
| Customs tariff number | 84879090 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|------------------------------|------------------|
| Product type | Complete housing |
| Housing type | Handheld housing |
| Housing series | HCS |
| Type | straight |
| Ventilation openings present | no |
| Battery compartment | 3 x AA |

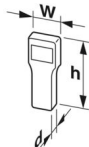
Data management status

| | |
|------------------|----|
| Article revision | 01 |
|------------------|----|

Display

| | |
|----------|-------------------------------------|
| Diagonal | 2.8 in. / 7 cm (Window for display) |
|----------|-------------------------------------|

Dimensions

| | |
|----------------------|--|
| Dimensional drawing |  |
| Width | 87 mm |
| Height | 164 mm |
| Depth | 30.5 mm |
| Dimensions | 78 mm x 152 mm x 1.1 mm (Recessed area on front) 63 mm x 34 mm (Window for display) 67 mm x 38 mm x 1.7 mm (Holder for cover lens) |
| Front with faceplate | top, 1 x (62.8 mm x 21.9 mm) bottom, 1 x (62.8 mm x 21.9 mm) |

PCB design

| | |
|---------------|-------------------|
| PCB thickness | 1.4 mm ... 1.8 mm |
|---------------|-------------------|

Material specifications

| | |
|--|-----------------------------|
| Color (Housing) | light gray (RAL 7035) |
| Flammability rating according to UL 94 | V0 |
| CTI according to IEC 60112 | $400 \leq \text{CTI} < 600$ |
| Insulating material | II |
| Housing material | ABS |
| Surface characteristics | untreated |

Environmental and real-life conditions

Glow-wire test

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| | |
|------------------|------------------------|
| 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 | 80 °C |
| Test duration | 1 h |
| Force | 20 |

Ambient conditions

| | |
|---|---|
| Max. IP code to attain | IP40 |
| Ambient temperature (operation) | -40 °C ... 80 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C |
| Ambient temperature (assembly) | -5 °C ... 80 °C |
| Relative humidity (storage/transport) | 95 % |

PCB data

| | |
|-----------------------|-------------------|
| Number of PCB holders | 2 |
| Thickness of the PCB | 1.4 mm ... 1.8 mm |

Mounting

| | |
|---------------------------|---|
| Tightening torque / speed | Screw connection between housing halves: 0.25 - 0.3 Nm / 500 - 1000 rpm |
|---------------------------|---|

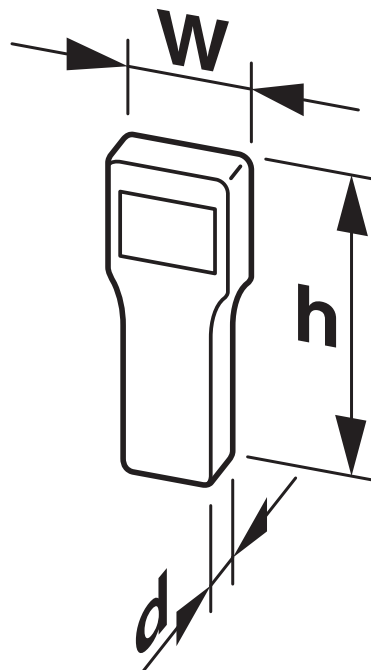
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Drawings

Dimensional drawing



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 | 27190102 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001031 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| 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.) | No substance above 0.1 wt% |

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com