

# 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

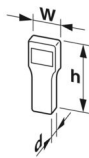
### Product properties

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

### 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)<br>63 mm x 34 mm (Window for display)<br>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)<br>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) |
| Material Housing                       | ABS                   |
| Flammability rating according to UL 94 | V0                    |
| CTI according to IEC 60112             | $400 \leq CTI < 600$  |

### Environmental and real-life conditions

#### Glow-wire test

|                  |                        |
|------------------|------------------------|
| Specification    | IEC 60695-2-11:2014-02 |
| Temperature      | 850 °C                 |
| Time of exposure | 30 s                   |

#### Thermal stability / ball thrust test

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|               |                        |
|---------------|------------------------|
| 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 |
| Tightening torque         | 0.25 Nm ... 0.3 Nm  |

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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-13.0 | 27190102 |
| ECLASS-15.0 | 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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