

# HCS-C MINI 1W C C C 7035 - Electronics housing



2203147

<https://www.phoenixcontact.com/us/products/2203147>

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Handheld housing, C-Mini, light gray, consisting of two half shells with screws, front 1.1 mm recessed with window and keypad slot

## 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                          | 2203147       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AC02          |
| Product key                          | ACFACA        |
| GTIN                                 | 4055626377018 |
| Weight per piece (including packing) | 86.5 g        |
| Weight per piece (excluding packing) | 80.7 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          | no               |

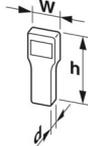
### Data management status

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

### Display

|          |                                   |
|----------|-----------------------------------|
| Diagonal | 2.8 in. (Window for display)      |
|          | 2 in. / 5 cm (Window for display) |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 70.5 mm  |
| Height              | 110 mm   |
| Depth               | 26 mm  |
| Dimensions          | 60.5 mm x 56 mm x 1.1 mm (Recessed area on front)                                    |
|                     | 44 mm x 23.4 mm (Window for display)   |
|                     | 53.2 mm x 32.6 mm x 2.4 mm (Holder for cover lens)                                   |

### 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 ≤ CTI < 600       |
| Insulating material                    | II                    |
| Housing material                       | ABS                   |
| Surface characteristics                | untreated             |

### Environmental and real-life conditions

#### Glow-wire test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-2-11:2014-02 |
|---------------|------------------------|

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|                  |        |
|------------------|--------|
| 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                  | IP54  |
| 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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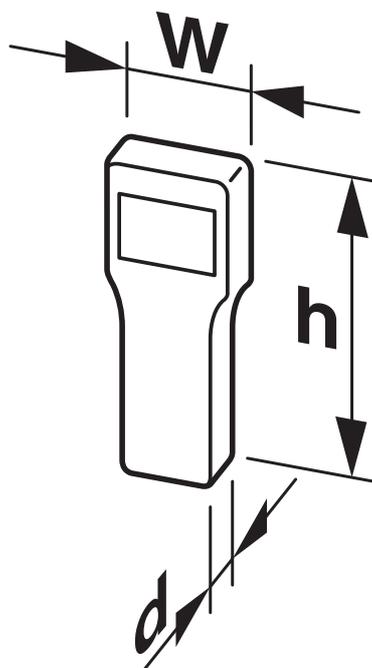
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## Drawings

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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