

# MCS-112X90-C-D-1018 - Housing frame



1524261

<https://www.phoenixcontact.com/us/products/1524261>

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Housing frame, Design element with marking field, color: yellow (similar RAL 1018)

## Your advantages

- Convenient operation during device installation and maintenance thanks to optional hinges on the housing cover
- Flexible mounting thanks to the optional adapter plate
- Safe operation with the right degree of protection
- Individualized product selection due to the modular system
- Optimized PCB installation: PCB can be installed in a nearly horizontal orientation thanks to the angled housing edge

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1524261       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AC04          |
| Product key                          | ACFFAB        |
| GTIN                                 | 4063151991609 |
| Weight per piece (including packing) | 21.5 g        |
| Weight per piece (excluding packing) | 15.6 g        |
| Customs tariff number                | 84879090      |
| Country of origin                    | DE            |

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## Technical data

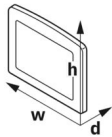
### Notes

|                |   |
|----------------|---|
| Assembly note  | Please observe the assembly instructions available in the download area.        |
| Recommendation | Further information and detailed dimensions are available in the download area. |

### Product properties

|                              |                                   |
|------------------------------|-----------------------------------|
| Product type                 | Cover                             |
| Housing type                 | Field housing                     |
| Housing series               | MCS                               |
| Product family               | MCS-112X90                        |
| Type                         | Design element with marking field |
| Ventilation openings present | no                                |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Dimensions          | 112.6 mm x 90.6 mm x 8 mm  |

### Material specifications

|  |                   |
|--|-------------------|
| Color (Housing)                        | yellow (RAL 1018) |
| Material (Housing)                     | PA-GF             |
| Flammability rating according to UL 94 | V0                |
| CTI according to IEC 60112             | 600               |

### Environmental and real-life conditions

#### Vibration test

|                        |                             |
|------------------------|-----------------------------|
| Specification          | IEC 60068-2-6:2007-12       |
| Frequency              | 10 - 150 - 10 Hz            |
| Sweep speed            | 1 octave/min                |
| Amplitude              | 0.15 mm (10 Hz ... 58.1 Hz) |
| Acceleration           | 2g (58.1 Hz ... 150 Hz)     |
| Test duration per axis | 2.5 h                       |
| Test directions        | X-, Y- and Z-axis           |

#### Glow-wire test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-2-11:2021-10 |
| Temperature   | 850 °C                 |

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|                  |      |
|------------------|------|
| Time of exposure | 30 s |
|------------------|------|

## Thermal stability / ball thrust test

|               |                        |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature   | 125 °C                 |
| Test duration | 1 h                    |
| Force         | 20 N                   |

## Mechanical strength / tumbling barrel

|                |                        |
|----------------|------------------------|
| Specification  | IEC 60068-2-31:2008-05 |
| Height of fall | 50 cm                  |
| Frequency      | 10                     |

## Shocks

|                                |                                   |
|--------------------------------|-----------------------------------|
| 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.) |

## Test for substances that would hinder coating with paint or varnish

|               |                    |
|---------------|--------------------|
| Specification | VDMA 24364:2018-05 |
| Result        | Test passed        |

## Mounting

|                   |                                  |
|-------------------|----------------------------------|
| Mounting type     | Latching with upper housing part |
| Mounting position | any                              |

## Packaging specifications

|                   |               |
|-------------------|---------------|
| Type of packaging | Box packaging |
|-------------------|---------------|

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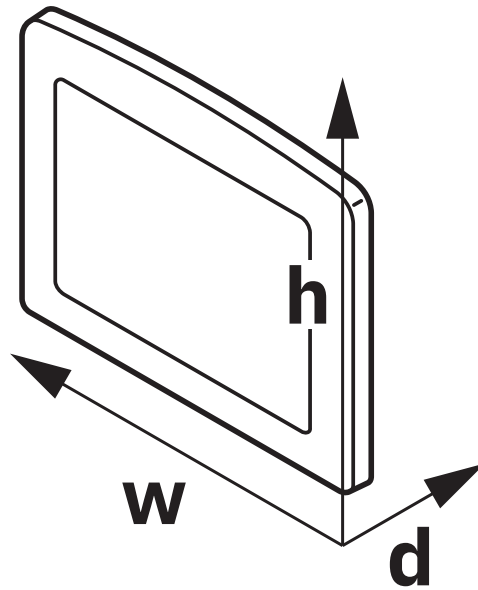
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## Drawings

Dimensional drawing



Schematic representation – for additional information, see product range drawing in the Download Center

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190605 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002779 |
|----------|----------|

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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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