

MCS-112X90-C-D-9005 - Housing frame



1524257

<https://www.phoenixcontact.com/us/products/1524257>

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Housing frame, Design element with marking field, color: black (similar RAL 9005)

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 | 1524257 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AC04 |
| Product key | ACFFAB |
| GTIN | 4063151991524 |
| 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) | black (RAL 9005) |
| 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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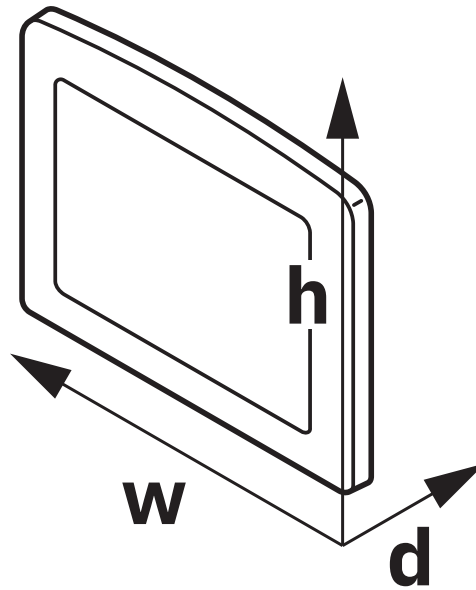
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Drawings

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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