

# MCS-156X127-C-L-9005 - Housing frame



1524416

<https://www.phoenixcontact.com/us/products/1524416>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Housing frame, Latching cover (non-detachable), 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                          | 1524416       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 5 pc          |
| Sales key                            | AC04          |
| Product key                          | ACFFAB        |
| GTIN                                 | 4063151991746 |
| Weight per piece (including packing) | 92.6 g        |
| Weight per piece (excluding packing) | 64.95 g       |
| Customs tariff number                | 84879090      |
| Country of origin                    | DE            |

# MCS-156X127-C-L-9005 - Housing frame



1524416

<https://www.phoenixcontact.com/us/products/1524416>

## 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-156X127                     |
| Type                         | Latching cover (non-detachable) |
| Ventilation openings present | no                              |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Dimensions          | 157.2 mm x 128.2 mm x 13.4 mm                                                        |
|                     | 134.2 mm x 97.1 mm x 5.9 mm                                                          |

### Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color (Housing)                        | black (RAL 9005) |
| Color (Window)                         | transparent      |
| Material (Housing)                     | PA-GF            |
| Material (Window)                      | PC               |
| 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           |

# MCS-156X127-C-L-9005 - Housing frame



1524416

<https://www.phoenixcontact.com/us/products/1524416>

## Glow-wire test

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

## Ambient conditions

|                                         |                                                   |
|-----------------------------------------|---------------------------------------------------|
| Ambient temperature (operation)         | -40 °C ... 85 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 55 °C                                  |
| Ambient temperature (assembly)          | -5 °C ... 85 °C                                   |
| Relative humidity (storage/transport)   | 80 %                                              |

## Mounting

|                   |          |
|-------------------|----------|
| Mounting type     | Latching |
| Mounting position | any      |

## Packaging specifications

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

# MCS-156X127-C-L-9005 - Housing frame

1524416

<https://www.phoenixcontact.com/us/products/1524416>



## Drawings

Dimensional drawing



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

# MCS-156X127-C-L-9005 - Housing frame



1524416

<https://www.phoenixcontact.com/us/products/1524416>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27190605 |
| ECLASS-15.0 | 27190605 |

### ETIM

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

# MCS-156X127-C-L-9005 - Housing frame



1524416

<https://www.phoenixcontact.com/us/products/1524416>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

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