

# MCS-112X90-C-S-9005 - Housing frame



1524424

<https://www.phoenixcontact.com/us/products/1524424>

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Housing frame, Hinged cover (transparent), 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	1524424
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC04
Product key	ACFFAB
GTIN	4063151991814
Weight per piece (including packing)	43.7 g
Weight per piece (excluding packing)	34.96 g
Customs tariff number	84879090
Country of origin	DE

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## Technical data

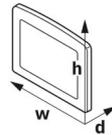
### Notes

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
Ventilation openings present	no

### Dimensions

Dimensional drawing	
Dimensions	112.6 mm x 90.6 mm x 11.2 mm 90.2 mm x 62.6 mm x 8 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

#### Glow-wire test

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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
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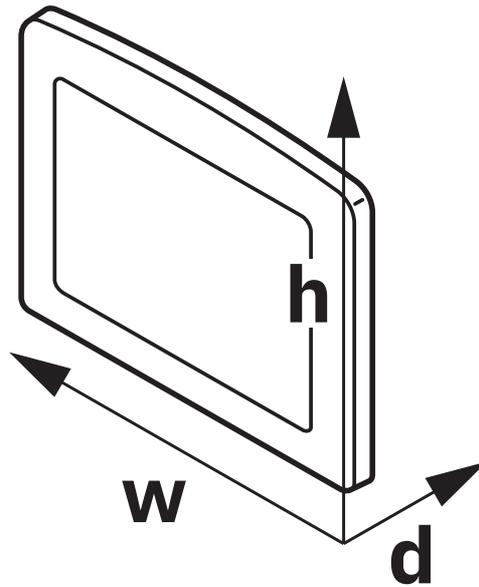
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## Drawings

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
ECLASS-15.0	27190605

### ETIM

ETIM 9.0	EC002779
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)