MCS-112X90-C-S-1018 - Housing frame

1524431

https://www.phoenixcontact.com/us/products/1524431

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, Hinged cover (transparent), 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	1524431
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC04
Product key	ACFFAB
GTIN	4063151991661
Weight per piece (including packing)	43.8 g
Weight per piece (excluding packing)	34.96 g
Customs tariff number	84879090
Country of origin	DE

Technical data

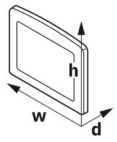
Notes

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)	yellow (RAL 1018)
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

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

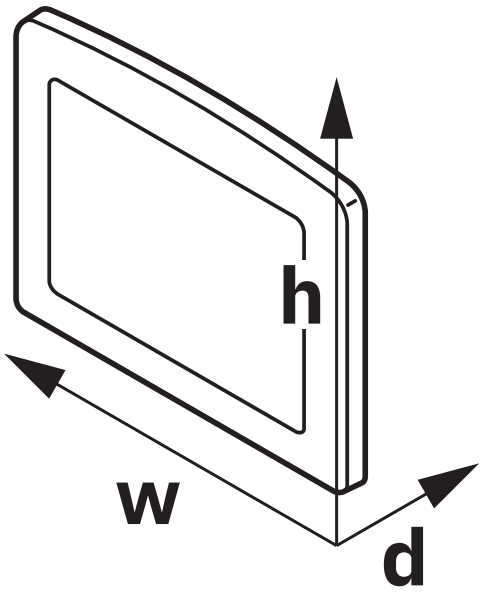
Mounting type	Latching
Mounting position	any

Packaging specifications

Type of packaging	Box packaging

Drawings

Dimensional drawing



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

Classifications

ECLASS

ECLASS-13.0	27190605
ECLASS-15.0	27190605

ETIM

ETIM 9.0	EC002779

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