

# ECS-B-122X109-S-UV -V GY - Electronics housing



1054708

<https://www.phoenixcontact.com/pc/products/1054708>

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Screw locking vented enclosure of the ECS Family. IP66/67/69 rated when mated with associated faceplate. Color: Grey (7042), Width: 164 mm, Height: 116 mm, Depth: 64 mm



## Your advantages

- Housing design supports the installation of a range of PCB thicknesses for high application diversity
- Integrated pressure compensation membrane for fluctuating ambient pressures
- Optional accessories for wall and mast mounting
- Proven PCB connection technology
- Integrated tamper protection
- Effective protection of electronics against thermal and mechanical influences
- Suitable for outdoor/indoor applications

## Commercial data

Item number	1054708
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	ACFDAA
GTIN	4055626689180
Weight per piece (including packing)	262.52 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	84879090
Country of origin	US

## Technical data

### Notes

Assembly note	Refer to the data sheet for the range in the download area.
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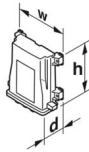
### Product properties

Product type	Housing
Housing type	Outdoor housing
Housing series	ECS
Product family	ECS..122X..S..
Type	integrated pressure compensation membrane
Ventilation	integrated pressure compensation membrane

### Data management status

Article revision	01
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### Dimensions

Dimensional drawing	
Width	164 mm
Height	116 mm
Depth	64 mm

### PCB design

PCB thickness	1.57 mm ... 2.36 mm
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### Material specifications

Color (Housing)	gray (RAL 7042)
Flammability rating according to UL 94	V0
Housing material	PC (polycarbonate)
Surface characteristics	untreated

### Environmental and real-life conditions

#### Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 2000 - 10 Hz
Sweep speed	1 octave/min
Acceleration	15g (61.6 Hz ... 2000 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

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## Glow-wire test

Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
Time of exposure	30 s

## Mechanical strength / tumbling barrel

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

## Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	50g
Shock duration	11 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)

## Salt spray test

Specification	DIN EN 60068-2-11:2000-02
Test duration	96 h

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

Specification	VDMA 24364:2018-05
Result	Test passed

## Degree of protection (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
Result, degree of protection, IP code	IP66/IP68 (2 m/24 h)

## Ambient conditions

Degree of protection	IP66/IP67
Max. NEMA code to attain	6
Impact strength	IK08
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

## PCB data

Number of PCB holders	1
Thickness of the PCB	1.57 mm ... 2.36 mm

## Mounting

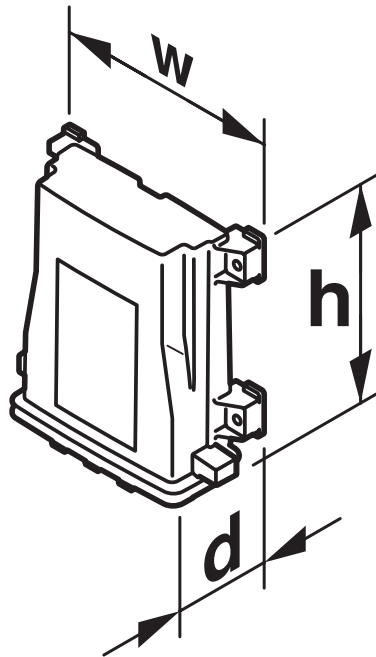
Mounting type	Wall or panel mount. Pole mount with accessory.
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## Drawings

Dimensional drawing



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## Approvals

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### DNV

Approval ID: TAE00003W8

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## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

### ETIM

ETIM 9.0	EC002779
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### UNSPSC

UNSPSC 21.0	31261500
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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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