

ECS-B-64X80-L-UV-NV GY - Electronics housing



1186431

<https://www.phoenixcontact.com/us/products/1186431>

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Snap-in locking non-vented enclosure of the ECS Family. IP66/67/69 rated when mated with associated faceplate. Color: Grey (7042), Width: 97 mm, Height: 86 mm, Depth: 45 mm

Your advantages

- Ultra-compact housing design for a wide range of applications
- Housing design supports the installation of a range of PCB thicknesses for high application diversity
- 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	1186431
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AC04
Product key	ACFDAA
GTIN	4063151226558
Weight per piece (including packing)	71.4 g
Weight per piece (excluding packing)	60 g
Customs tariff number	84879090
Country of origin	US

Technical data

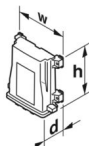
Notes

General	Refer to the data sheet for the range in the download area.
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Product properties

Product type	Housing
Housing series	ECS
Type	non-vented
Housing type	outdoor housings

Dimensions

Dimensional drawing	
Width	86 mm
Height	97 mm
Depth	45 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
Surface characteristics	untreated
Impact strength	IK08
Housing material	PC (polycarbonate)

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

Glow-wire test

Specification	IEC 60695-2-11:2014-02
Temperature	850 °C

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Time of exposure	30 s
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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

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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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 9.0	EC001031
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UNSPSC

UNSPSC 21.0	31261500
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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