ECS-B-122X109-S-UV -V GY - Electronic housing

1054708

https://www.phoenixcontact.com/us/products/1054708

PHŒNIX CONTACT

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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

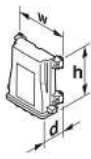|	
Item number	1054708
Packing unit	1 pc
Sales key	AC04
Product key	ACFDAA
GTIN	4055626689180
Weight per piece (including packing)	262.52 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	84879090
Country of origin	US

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Technical data

Notes

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

Product properties

Product type	Housing
Type	integrated pressure compensation membrane
Housing type	outdoor housings
Housing series	ECS
Ventilation	integrated pressure compensation membrane

Dimensions

Dimensional drawing	
Width	164 mm
Height	116 mm
Depth	64 mm

PCB design	
PCB thickness	1.57 mm ... 2.36 mm

Material specifications

Color	gray (7042)
Flammability rating according to UL 94	V0
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

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
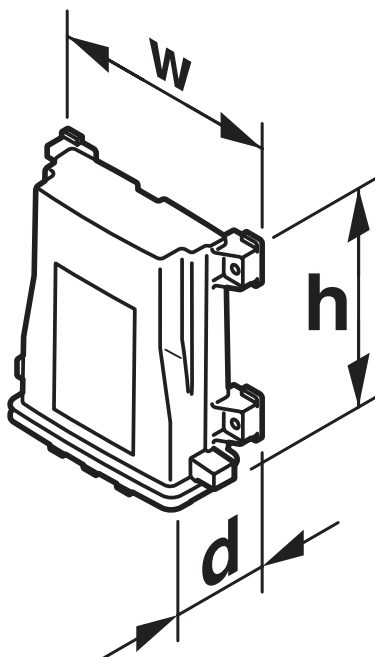
Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1054708

DNV
Approval ID: TAE00003W8

Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 8.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

Environmental product compliance

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

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Mandatory accessories

ECS-P-122X169-S-UV-2M12 GY - Front plate

1050379

https://www.phoenixcontact.com/us/products/1050379

Screw locking two female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Grey (7042), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-P-122X169-S-UV-CG GY - Front plate

1050380

https://www.phoenixcontact.com/us/products/1050380

Screw locking cable gland faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Grey (7042), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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ECS-P-122X169-S-UV-1M12 GY - Front plate

1050381

https://www.phoenixcontact.com/us/products/1050381

Screw locking one female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Grey (7042), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-P-122X169-S-UV-B GY - Front plate

1050382

https://www.phoenixcontact.com/us/products/1050382

Screw locking blank faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Grey (7042), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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ECS-P-122X169-S-UV-1M1FM12 GY - Front plate

1135438

https://www.phoenixcontact.com/us/products/1135438

Screw-locking faceplate with one male and one female M12-SPEEDCON connectors. IP66/67/69 rated when mated with associated enclosure. Color: Grey (7042), Width: 163 mm, Height: 30 mm, Depth: 62 mm

Accessories

SF-TXH 20X100 - Screwdriver

1200151

https://www.phoenixcontact.com/us/products/1200151

Screwdriver, Torx® with bore hole, TX 20 x 100, two-component handle

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PTSM 0,5/ 4-PL-2,5 WH - Printed-circuit board connector

1709460

https://www.phoenixcontact.com/us/products/1709460

PCB connector, nominal cross section: 0.5 mm^2, color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTSM 0,5/..-PL WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

HS LC-V-T-D4X5,2S-45 - Fiber optic

1082300

https://www.phoenixcontact.com/us/products/1082300

Vertical 4 mm light guide, transparent, with spherical 5.2 mm raised head, assembly for wall thicknesses from 1 mm, made of polycarbonate (UL 94-V0), installation length 45 mm, watertight, IP68 (EN 50529)

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HS LCA-RGB-10X5-L - Signal light

1082299

https://www.phoenixcontact.com/us/products/1082299

10 mm signal light with SMD-LED 5 mm (color: RGB) for assembly on wall thicknesses from 1.5 mm. Black housing made of polycarbonate (UL 94-V0) with four 94 mm tin-plated free wire ends, watertight IP68 (EN 60529)

HS LC-F-T6X3-150 - Fiber optic

1082301

https://www.phoenixcontact.com/us/products/1082301

Flexible light guide, transparent 3 mm made of PMMA (UL 94-V0) with 6 mm lens, made of crystal-clear polycarbonate and 6x6 mm LED housing, black polycarbonate PC (UL 94), length: 150 mm unmounted, for SMD TOPLEDs

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SEALING PLUG 9X16 RD - Closing cap

1400259

https://www.phoenixcontact.com/us/products/1400259

Closing cap, color: red

PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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ECS-BL - Safety clip

2230012

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PCB safety clip

ECS-PM - Mounting bracket

2230013

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Mounting set for mast mounting

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