

2230000
<https://www.phoenixcontact.com/us/products/2230000>

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Snap-in locking vented enclosure of the ECS Family. IP66/67/69 rated when mated with associated faceplate. Color: Black (9005), Width: 170 mm, Height: 176 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	2230000
Packing unit	1 pc
Sales key	AC04
Product key	ACFDAA
GTIN	4055626381336
Weight per piece (including packing)	265.6 g
Weight per piece (excluding packing)	260.6 g
Customs tariff number	84879090
Country of origin	US

Technical data

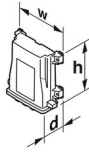
Notes

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

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

Dimensions

Dimensional drawing	
Width	170 mm
Height	176 mm
Depth	64 mm

PCB design

PCB thickness	1.57 mm ... 2.36 mm
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Material specifications

Color	black (9005)
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

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2230000

<https://www.phoenixcontact.com/us/products/2230000>

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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ECS-B-122X169-L-UV1-V - Electronic housing

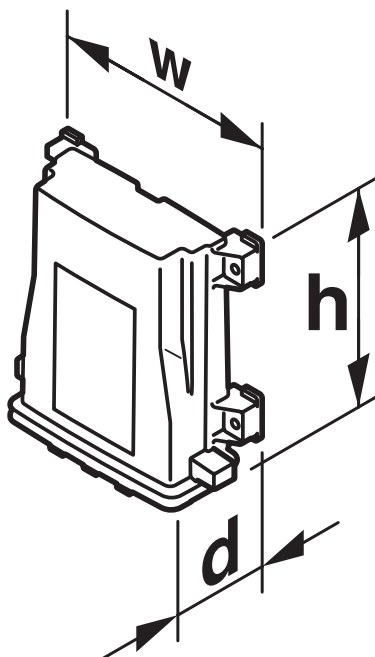
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Drawings

Dimensional drawing



Schematic figure for illustrating the item dimensions. The figure is not of the desired product. For further details, refer to the product drawings in the "Downloads" tab.

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Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 8.0	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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Mandatory accessories

ECS-P-122X169-L-UV1-B - Front plate

2230004

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Snap-in locking blank faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



ECS-P-122X169-L-UV1-1M12 - Front plate

2230005

<https://www.phoenixcontact.com/us/products/2230005>

Snap-in locking one female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62



ECS-B-122X169-L-UV1-V - Electronic housing



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ECS-P-122X169-L-UV1-2M12 - Front plate

2230006

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Snap-in locking two female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



ECS-P-122X169-L-UV1-CG - Front plate

2230007

<https://www.phoenixcontact.com/us/products/2230007>

Snap-in locking cable gland faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



ECS-B-122X169-L-UV1-V - Electronic housing



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ECS-P-122X169-L-UV1-B M25/M25 - Front plate

1135275

<https://www.phoenixcontact.com/us/products/1135275>

Faceplate of the ECS Family, prepared for cable gland M25 (2x), snap-in locking. IP66/67/69 degree of protection in conjunction with associated housing. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



ECS-P-122X169-L-UV1-B M25 - Front plate

1135328

<https://www.phoenixcontact.com/us/products/1135328>

Faceplate of the ECS Family, prepared for cable gland M25 (1x), snap-in locking. IP66/67/69 degree of protection in conjunction with associated housing. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



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ECS-P-122X169-L-UV1-B M20/M25 - Front plate

1135329

<https://www.phoenixcontact.com/us/products/1135329>

Faceplate of the ECS Family, prepared for cable gland M20 (1x) and M25 (1x), snap-in locking. IP66/67/69 degree of protection in conjunction with associated housing. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



ECS-P-122X169-L-UV1-1M1FM12 - Front plate

1135437

<https://www.phoenixcontact.com/us/products/1135437>

Snap-in locking faceplate with one male and one female M12-SPEEDCON connectors. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 196 mm, Height: 34 mm, Depth: 62 mm



Accessories

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SF-TXH 20X100 - Screwdriver

1200151

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

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



ECS-PCB - PCB

1004300

<https://www.phoenixcontact.com/us/products/1004300>

Printed-circuit board



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WT-STEEL SH 4,6X150 - Cable tie

3240820

<https://www.phoenixcontact.com/us/products/3240820>



Cable binders, made from rust-free stainless steel (AISI 316), suitable for the harshest of ambient conditions (for example, salt water), with ball lock, for quick and secure bundling and fastening

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

1082300

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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

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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com