ECS-B-122X169-S-UV1-NV - Electronics housing

2230003

https://www.phoenixcontact.com/us/products/2230003

PHŒNIX CONTACT

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Screw locking non-vented enclosure of the ECS family. IP66/67/69 rated when mated with associated faceplate. Color: Black (9005), Width: 164 mm, Height: 176 mm, Depth: 64 mm

Your advantages

- 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

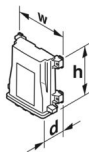|	
Item number	2230003
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AC04
Product key	ACFDAA
GTIN	4055626381374
Weight per piece (including packing)	260.6 g
Weight per piece (excluding packing)	258 g
Customs tariff number	84879090
Country of origin	US

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2230003

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Technical data

Notes

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

Product properties

Product type	Housing
Housing type	Outdoor housing
Housing series	ECS
Product family	ECS..122X..S..
Type	non-vented

Dimensions

Dimensional drawing	

Width	164 mm
Height	176 mm
Depth	64 mm

PCB design

PCB thickness	1.57 mm ... 2.36 mm

Material specifications

Color (Housing)	black (RAL 9005)
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

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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https://www.phoenixcontact.com/us/products/2230003

Drawings

Dimensional drawing

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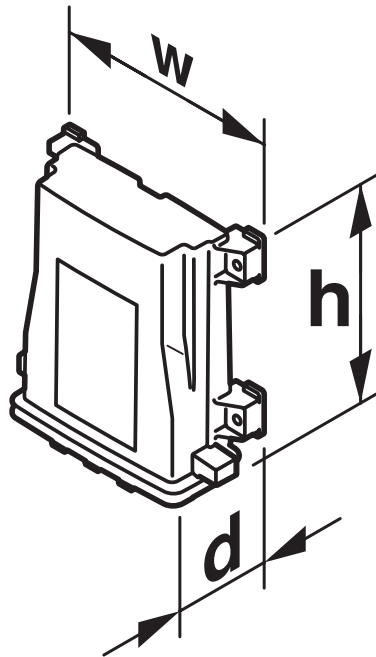
Classifications

ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190601

ETIM

ETIM 9.0	EC001031

UNSPSC

UNSPSC 21.0	31261500

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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2230003

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Mandatory accessories

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

2230008

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Screw locking blank faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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

2230009

https://www.phoenixcontact.com/us/products/2230009

Screw locking one female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-B-122X169-S-UV1-NV - Electronics housing

2230003

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

2230010

https://www.phoenixcontact.com/us/products/2230010

Screw locking two female M12-SPEEDCON faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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

2230011

https://www.phoenixcontact.com/us/products/2230011

Screw locking cable gland faceplate of the ECS Family. IP66/67/69 rated when mated with associated enclosure. Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-B-122X169-S-UV1-NV - Electronics housing

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

1091841

https://www.phoenixcontact.com/us/products/1091841

Screw-locking faceplate with M12-SPEEDCON connectors (1 male, 1 female), IP66/67/69 rated when mated with associated enclosure, width: 163 mm, height: 30 mm, depth: 62 mm, color: black (9005).

ECS-P-122X169-S-UV1-2RJ45 - Front plate

1143740

https://www.phoenixcontact.com/us/products/1143740

ECS family faceplate, ready for integration of two VARIOSUB RJ45 VS-08 connectors, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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2230003

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ECS-P-122X169-S-UV1-1RJ45 - Front plate

1143761

https://www.phoenixcontact.com/us/products/1143761

ECS family faceplate, ready for integration of one VARIOSUB RJ45 VS-08 connector, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-P-122X169-S-UV1-VSDSUB25 - Front plate

1143766

https://www.phoenixcontact.com/us/products/1143766

ECS family faceplate, ready for integration of one D-SUB 25 connector, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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ECS-P-122X169-S-UV1-1PRC5 - Front plate

1143768

https://www.phoenixcontact.com/us/products/1143768

ECS family faceplate, ready for integration of one PV PRC5 connector, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-P-122X169-S-UV1-2PV - Front plate

1143769

https://www.phoenixcontact.com/us/products/1143769

ECS family faceplate, ready for integration of one SUNCLIX PV-FT-C3 male and female connectors, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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ECS-P-122X169-S-UV1-VC4AML2/6 - Front plate

1143770

https://www.phoenixcontact.com/us/products/1143770

ECS family faceplate, ready for integration of one modular rectengular connector Variocon VC4, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

ECS-P-122X169-S-UV1-2PRC5 - Front plate

1143771

https://www.phoenixcontact.com/us/products/1143771

ECS family faceplate, ready for integration of two PV PRC5 connectors, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), Width: 163 mm, Height: 30 mm, Depth: 62 mm

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ECS-P-122X169-S-UV1-VC3AML4/8 - Front plate

1143773

https://www.phoenixcontact.com/us/products/1143773

ECS family faceplate, ready for integration of one modular rectengular connector Variocon VC3, screw locking, rated IP66/67/69 when combined with ECS housing, Color: Black (9005), 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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ECS-PCB - PCB

1004300

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

Printed-circuit board

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

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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)

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)

ECS-B-122X169-S-UV1-NV - Electronics housing

2230003

https://www.phoenixcontact.com/us/products/2230003

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

SEALING PLUG 9X16 RD - Closing cap

1400259

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

Closing cap, color: red

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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

ECS-BL - Safety clip

2230012

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PCB safety clip

ECS-B-122X169-S-UV1-NV - Electronics housing

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ECS-PM - Mounting bracket

2230013

https://www.phoenixcontact.com/us/products/2230013

Mounting set for mast mounting