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Screw locking vented enclosure of the ECS Family. IP66/67/69 rated when mated with associated faceplate. Color: Black (9005), 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	1054710
Packing unit	1 pc
Sales key	AC04
Product key	ACFDAA
GTIN	4055626689197
Weight per piece (including packing)	259.2 g
Weight per piece (excluding packing)	200 g
Customs tariff number	84879090
Country of origin	US

## Technical data

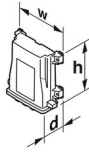
### Notes

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	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	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

# ECS-B-122X109-S-UV1-V - Electronic housing



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<https://www.phoenixcontact.com/us/products/1054710>

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-122X109-S-UV1-V - Electronic housing

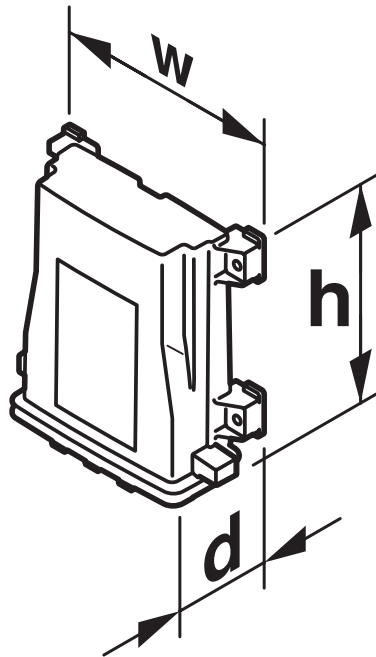
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## Drawings

Dimensional drawing



# ECS-B-122X109-S-UV1-V - Electronic housing



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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

# ECS-B-122X109-S-UV1-V - Electronic housing



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<https://www.phoenixcontact.com/us/products/1054710>

## Mandatory accessories

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

2230008

<https://www.phoenixcontact.com/us/products/2230008>

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



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### 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-122X109-S-UV1-V - Electronic housing



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<https://www.phoenixcontact.com/us/products/1054710>

## 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



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## 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-122X109-S-UV1-V - Electronic housing

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<https://www.phoenixcontact.com/us/products/1054710>



## 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).



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## 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



# ECS-B-122X109-S-UV1-V - Electronic housing



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<https://www.phoenixcontact.com/us/products/1054710>

## 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



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## 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



# ECS-B-122X109-S-UV1-V - Electronic housing



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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



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## 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



# ECS-B-122X109-S-UV1-V - Electronic housing

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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 rectangular 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



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## 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



# ECS-B-122X109-S-UV1-V - Electronic housing

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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 rectangular 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



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## 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



# ECS-B-122X109-S-UV1-V - Electronic housing



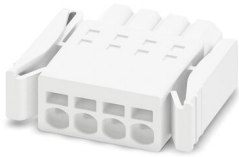
1054710

<https://www.phoenixcontact.com/us/products/1054710>

## 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<sup>2</sup>, 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

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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

# ECS-B-122X109-S-UV1-V - Electronic housing

1054710

<https://www.phoenixcontact.com/us/products/1054710>



## 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)

## ECS-B-122X109-S-UV1-V - Electronic housing

1054710

<https://www.phoenixcontact.com/us/products/1054710>



## 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



# ECS-B-122X109-S-UV1-V - Electronic housing

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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

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## ECS-BL - Safety clip

2230012

<https://www.phoenixcontact.com/us/products/2230012>



PCB safety clip

# ECS-B-122X109-S-UV1-V - Electronic housing

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<https://www.phoenixcontact.com/us/products/1054710>



## ECS-PM - Mounting bracket

2230013

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

Mounting set for mast mounting



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