

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

2230010

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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



## 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	2230010
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AC04
Product key	ACFDAB
GTIN	4055626381459
Weight per piece (including packing)	128.79 g
Weight per piece (excluding packing)	128 g
Customs tariff number	84879090
Country of origin	US

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



2230010

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

## Technical data

### Notes

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

### Product properties

Product type	Front plate
Housing type	Outdoor housing
Housing series	ECS
Product family	ECS..122X..S..

### Dimensions

Dimensional drawing	
Width	163 mm
Height	30 mm
Depth	62 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
---------------	------------------------

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

2230010

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



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	Screw locking mechanism
---------------	-------------------------

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

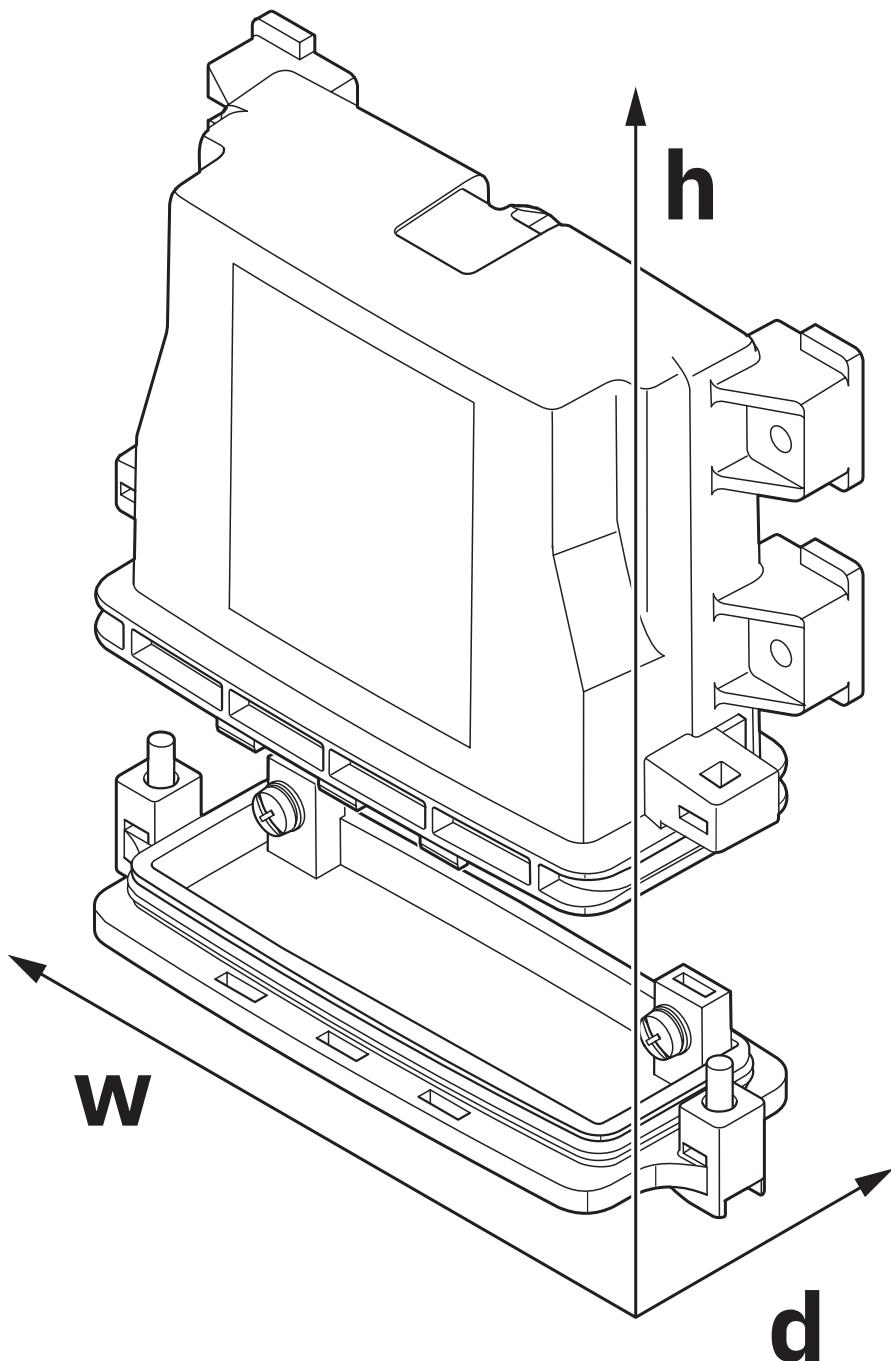
2230010

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



## 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.

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

2230010

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



## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2230010>

**DNV**

Approval ID: TAE00003W8

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

2230010

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



## Classifications

### ECLASS

ECLASS-11.0	27182702
ECLASS-13.0	27190603

### ETIM

ETIM 9.0	EC001031
----------	----------

### UNSPSC

UNSPSC 21.0	31261500
-------------	----------

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d7d4aee4-227c-4524-ba77-fce3483a48f1

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



2230010

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

## Mandatory accessories

### ECS-B-122X169-S-UV1-V - Electronics housing

2230002

<https://www.phoenixcontact.com/us/products/2230002>

Screw locking 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



---

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

2230003

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

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



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



2230010

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

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

1054710

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

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



## ECS-B-122X109-S-UV1-NV - Electronics housing

1054711

<https://www.phoenixcontact.com/us/products/1054711>

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: 116 mm, Depth: 64 mm



## Accessories

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



2230010

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

SACC-CI-M12FS-4CON-L 90 SH SCO - Contact carrier

1432444

<https://www.phoenixcontact.com/us/products/1432444>

Contact carrier, 4-position, Socket, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239612



---

SACC-CI-M12FS-4CON-L90 SCO - Contact carrier

1436628

<https://www.phoenixcontact.com/us/products/1436628>

Contact carrier, 4-position, Socket, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239625



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



2230010

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

SACC-CI-M12FSD-4CON-L90 SCO - Contact carrier

1432457

<https://www.phoenixcontact.com/us/products/1432457>



Contact carrier, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Socket, angled, M12-SPEEDCON, coding: D, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237421

---

SACC-CI-FS-5CON-L 90 SH SCO - Contact carrier

1432431

<https://www.phoenixcontact.com/us/products/1432431>



Contact carrier, 5-position, Socket, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239611

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



2230010

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

## SACC-CI-M12FS-5CON-L90 SCO - Contact carrier

1436644

<https://www.phoenixcontact.com/us/products/1436644>

Sensor/actuator flush-type connector, socket, 5-pos., A-coded, with angled solder connection, only contact insert



---

## SACC-CI-M12FS-8CON-L90 SH SCO - Contact carrier

1437009

<https://www.phoenixcontact.com/us/products/1437009>

Contact carrier, 8-position, Socket, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239641



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

2230010

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



## SACC-CI-M12FS-8CON-L90 SCO - Contact carrier

1436990

<https://www.phoenixcontact.com/us/products/1436990>

Contact carrier, 8-position, Socket, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239640



## SACC-CI-M12FS-12CON-L90 SH - Contact carrier

1424199

<https://www.phoenixcontact.com/us/products/1424199>

Contact carrier, 12-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239456



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

2230010

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



## SACC-CI-M12FS-12CON-L90 - Contact carrier

1424195

<https://www.phoenixcontact.com/us/products/1424195>

Contact carrier, 12-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239452



## SACC-CI-M12FS-17CON-L90 SH - Contact carrier

1424201

<https://www.phoenixcontact.com/us/products/1424201>

Contact carrier, 17-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239458



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

2230010

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



## SACC-CI-M12FS-17CON-L90 - Contact carrier

1424197

<https://www.phoenixcontact.com/us/products/1424197>

Contact carrier, 17-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239454



---

## SACC-CI-M12FSY-8CON-L90 - Contact carrier

1424193

<https://www.phoenixcontact.com/us/products/1424193>

Contact carrier CAT5 (IEC 11801:2002), 8-position, Socket, angled, M12, coding: Y, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239450



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



2230010

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

## 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



---

## PROT-M12 SH - Screw plug

1503302

<https://www.phoenixcontact.com/us/products/1503302>

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



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



2230010

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

## SACC-CI-M12FSX-8CON-L90 - Contact carrier

1424180

<https://www.phoenixcontact.com/us/products/1424180>



Contact carrier, Ethernet CAT6<sub>A</sub> (10 Gbps), 8-position, Socket, angled, M12, coding: X, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237389

## SZS 1,0X6,5 VDE - Screwdriver

1205079

<https://www.phoenixcontact.com/us/products/1205079>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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



2230010

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

## PROT-M12 FS - Sealing cap

1560251

<https://www.phoenixcontact.com/us/products/1560251>



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

---

## PROT-M12 FS-M - Sealing cap

1430488

<https://www.phoenixcontact.com/us/products/1430488>



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

---

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

2230010

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



## SF-TXH 20X100 - Screwdriver

1200151

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

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



---

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

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