

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



2230009

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

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 one female M12-SPEEDCON faceplate of the ECS Family. IP66/IP67/IP68/IP69 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 | 2230009 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | AC04 |
| Product key | ACFDAB |
| GTIN | 4055626381442 |
| Weight per piece (including packing) | 123.74 g |
| Weight per piece (excluding packing) | 123 g |
| Customs tariff number | 84879090 |
| Country of origin | US |

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

2230009

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

Technical data

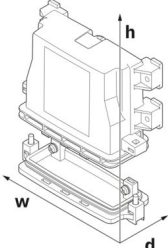
Notes

| | |
|----------------------|---|
| Assembly note | Please observe the application note in the download area. |
| Degree of protection | The specification for IP protection applies to the item combination ECS-B-... in conjunction with an unaltered ECS-P...-B front panel. |
| Degree of protection | When using front panels with connection technology, the IP protection class of the connection technology determines the protection class of the overall solution. |
| Recommendation | Further information and detailed dimensions are available in the download area. |

Product properties

| | |
|----------------|------------------|
| Product type | Front plate |
| Housing type | Outdoor housing |
| Housing type | Outdoor housings |
| 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) |
| Material Housing | PC |
| Flammability rating according to UL 94 | V0 |
| Surface characteristics | untreated |

Environmental and real-life conditions

Vibration test

| | |
|---------------|-----------------------|
| Specification | IEC 60068-2-6:2007-12 |
| Frequency | 10 - 2000 - 10 Hz |

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



2230009

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

| | |
|------------------------|---------------------------|
| 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

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



2230009

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

Mounting type

Screw locking mechanism

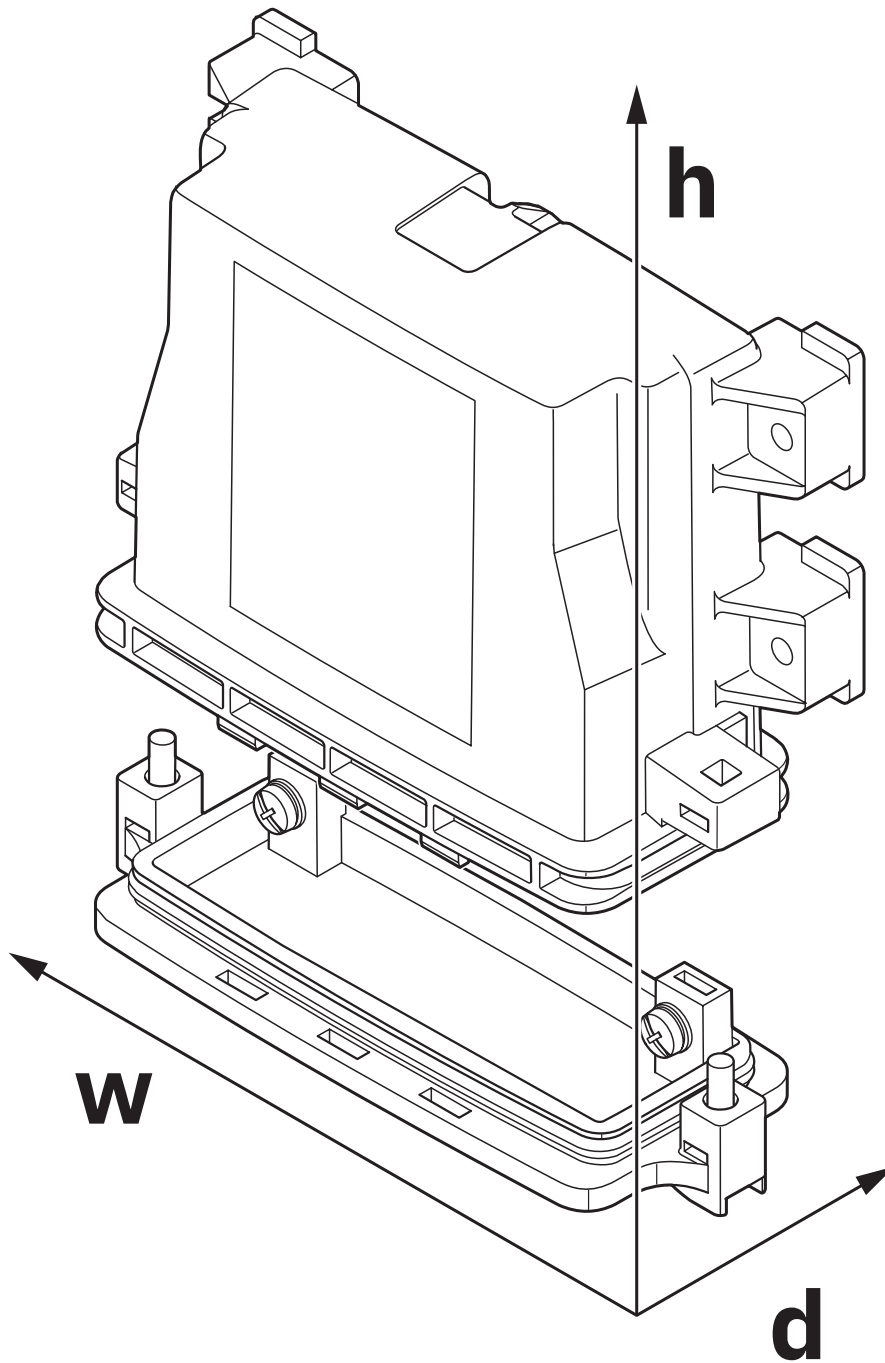
ECS-P-122X169-S-UV1-1M12 - Front plate

2230009

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

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-UV1-1M12 - Front plate



2230009

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

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2230009>

DNV

Approval ID: TAE00003W8

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



2230009

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

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27190603 |
| ECLASS-15.0 | 27190603 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002779 |
|-----------|----------|

UNSPSC

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

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



2230009

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

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 | c7683ed0-3d7d-4ef7-9ccb-a816b34a1c5e |

Phoenix Contact 2026 © - 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