

ECS-P-64X80-S-UV-B GY - Front plate



1186435

<https://www.phoenixcontact.com/us/products/1186435>

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Screw locking mechanism blank faceplate of the ECS family. IP66/IP67/IP68/IP69 degree of protection when mated with associated housing. Color: Gray (7042), width: 97 mm, height: 15 mm, depth: 42 mm



Your advantages

- Ultra-compact housing design for a wide range of applications
- 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
- Suitable for outdoor/indoor applications

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1186435 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | AC04 |
| Product key | ACFDAB |
| GTIN | 4063151227371 |
| Weight per piece (including packing) | 29 g |
| Weight per piece (excluding packing) | 29 g |
| Customs tariff number | 84879090 |
| Country of origin | US |

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Technical data

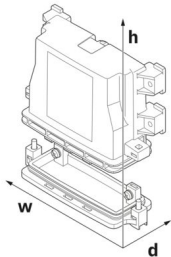
Notes

| | |
|----------------------|---|
| 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 series | ECS |
| Product family | ECS..64X..S.. |
| Battery compartment | no |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 97 mm |
| Height | 15 mm |
| Depth | 42 mm |

PCB design

| | |
|---------------|---------------------|
| PCB thickness | 1.57 mm ... 2.36 mm |
|---------------|---------------------|

Material specifications

| | |
|--|-----------------|
| Color (Housing) | gray (RAL 7042) |
| 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 |

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| | |
|------------------------|---------------------------|
| 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 | 20 |
| 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/IP67 (1 m/30 min)/IP68 (2 m/24 h)/IP69/IP69K |

Ambient conditions

| | |
|---|-------------------|
| Max. IP code to attain | IP69 |
| 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

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| | |
|---------------|-------------------------|
| Mounting type | Screw locking mechanism |
|---------------|-------------------------|

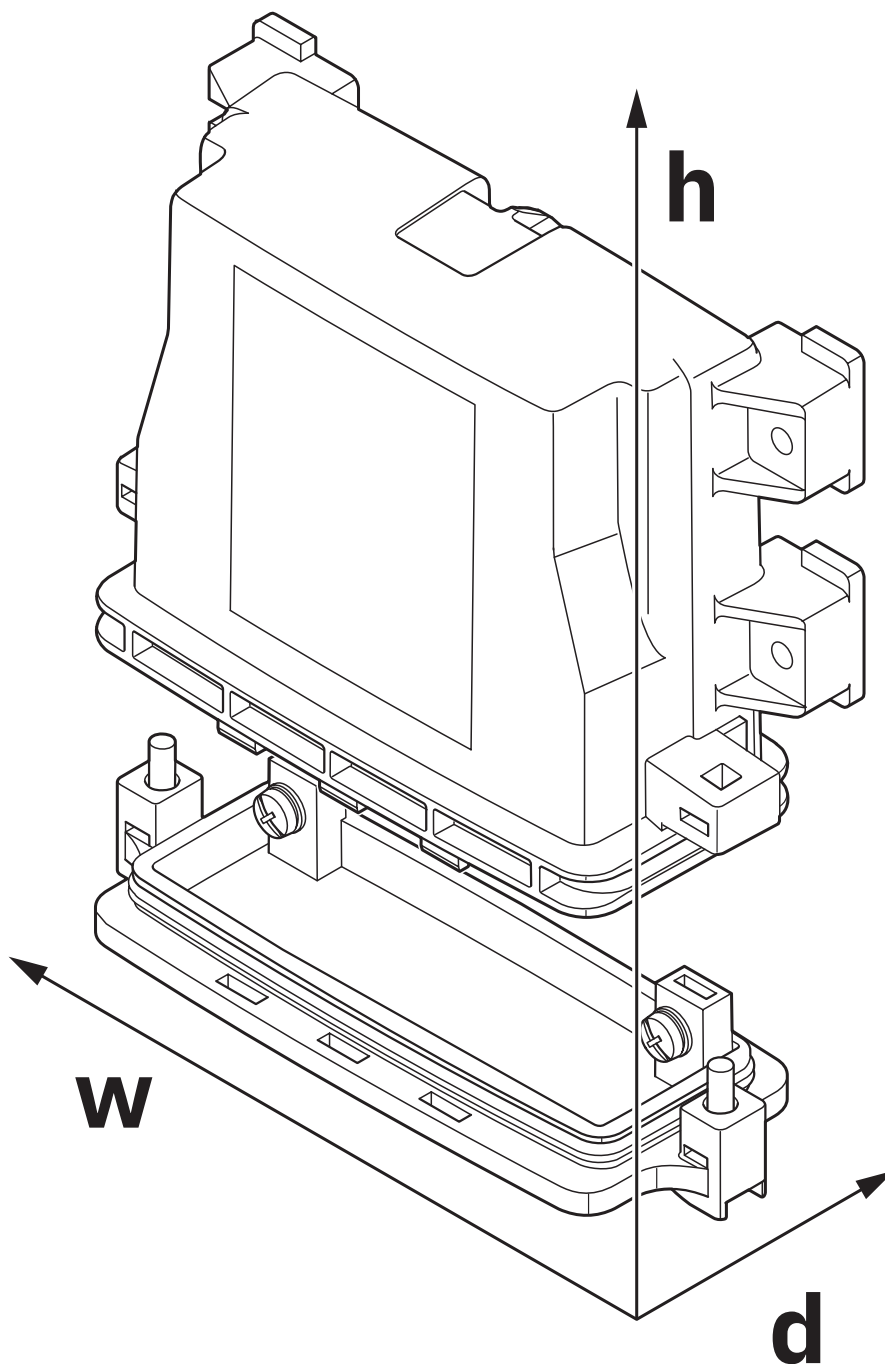
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Drawings

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002779 |
|----------|----------|

UNSPSC

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

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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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