

HC-ADV-B10-HLWH-BLANK-ELC-AL - Housing



1420051

<https://www.phoenixcontact.com/us/products/1420051>

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.



Sleeve housing B10, with screw locking, material: Die-cast aluminum, salt water resistant, variable, height: 74 mm, cable gland: none, Offshore/EMC, Without thread opening for screw connection, conductive seal (EMC properties)

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1420051 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF58 |
| Product key | BF7APH |
| Catalog page | Page 603 (C-2-2019) |
| GTIN | 4055626201467 |
| Weight per piece (including packing) | 237.6 g |
| Weight per piece (excluding packing) | 237 g |
| Customs tariff number | 85389099 |
| Country of origin | CN |

HC-ADV-B10-HLWH-BLANK-ELC-AL - Housing



1420051

<https://www.phoenixcontact.com/us/products/1420051>

Technical data

Notes

| | |
|---------|--|
| General | For contact inserts HC-B10, BB18, DD42, M, K8/24 |
|---------|--|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Housing with screw locking |
| Housing type | Sleeve housing |
| Product family | HC-ADV |
| Application | Offshore/EMC |
| Type | B10 |
| Type | Low design |
| Fixing screws | M6 (screw head: 5 mm Allen screw) |
| Shielded | yes |
| Cable outlet | variable |
| Pg screw connection | none |

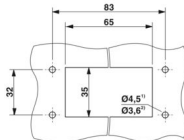
Data management status

| | |
|------------------|----|
| Article revision | 01 |
|------------------|----|

Connection data

| | |
|-------------------|--|
| Tightening torque | 3 Nm ... 5 Nm (for M6 mounting screws on the sleeve housing) |
|-------------------|--|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 57 mm |
| Height | 74 mm |
| Length | 105 mm |

Installation dimensions

| | |
|-------------------------------|-------|
| Width of the assembly cutout | 35 mm |
| Length of the assembly cutout | 65 mm |

Material specifications

| | |
|--------------------------|---|
| Seal material | NBR, conductive |
| Housing material | Die-cast aluminum, salt water resistant |
| Housing surface material | uncoated |
| Locking latch material | Stainless steel |

Environmental and real-life conditions

HC-ADV-B10-HLWH-BLANK-ELC-AL - Housing



1420051

<https://www.phoenixcontact.com/us/products/1420051>

Ambient conditions

| | |
|---------------------------------|--------------------------|
| Degree of protection | IP66 |
| | IP68 (0.2 bar/24 h) |
| | IP69 (ISO 20653:2013-02) |
| Enclosure rating (NEMA) | 4 (UL 50e) |
| | 4X (UL 50e) |
| | 12 (UL 50e) |
| Impact strength | IK09 |
| Ambient temperature (operation) | -40 °C ... 125 °C |

Mechanical properties

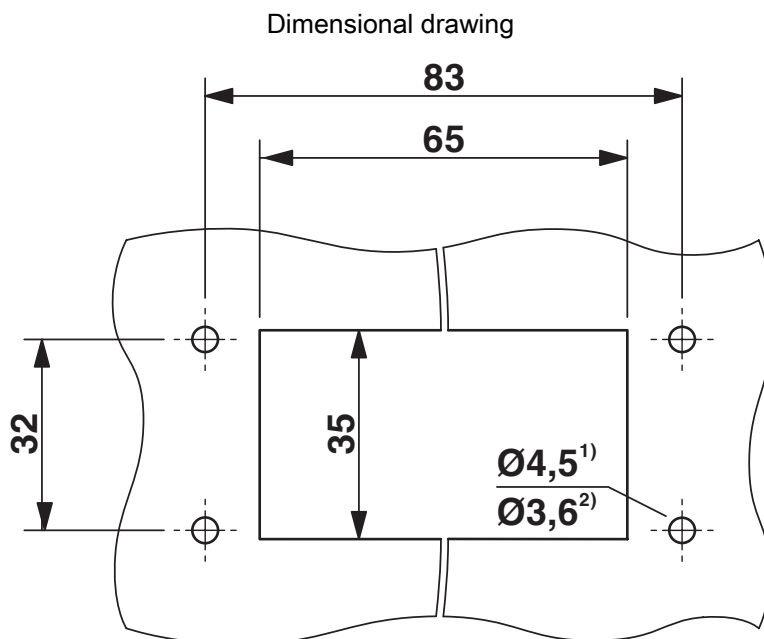
Mechanical data

| | |
|--------------|-------|
| Locking type | Screw |
|--------------|-------|

Mounting

| | |
|---------------|--|
| Thread type | () |
| Assembly note | In order to guarantee that the protective conductor contact functions even when plugged in at an angle, the two panel-mount flanges must have sufficient electrical contact with the metal mounting panel. |
| Fixing screws | M6 (screw head: 5 mm Allen screw) |

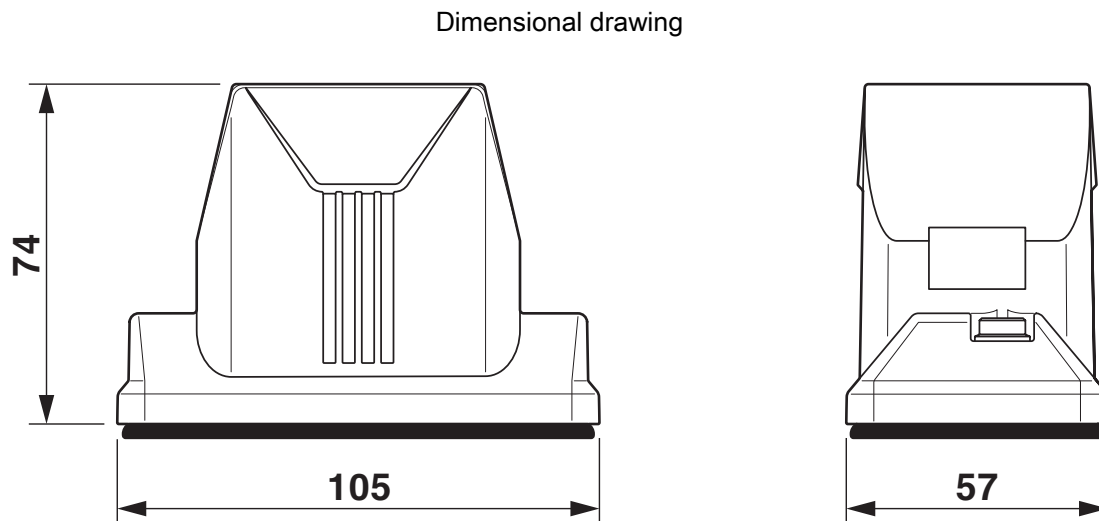
Drawings



Mounting cutout

1) when M4 screws are used

2) when self-tapping Torx® screws are used (Torx® 20, M4)



Dimensional drawing

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420051>



DNV
Approval ID: TAE000037S



cUL Recognized
Approval ID: E255026



UL Recognized
Approval ID: E255026



EAC
Approval ID: RU C-DE.AI30.B.01102



EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Recognized

HC-ADV-B10-HLWH-BLANK-ELC-AL - Housing



1420051

<https://www.phoenixcontact.com/us/products/1420051>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440202 |
| ECLASS-12.0 | 27440202 |
| ECLASS-13.0 | 27440202 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000437 |
|----------|----------|

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% |