

# HC-ADV-B06-HLWH-1STM20-MF-BK - Housing



1420902

<https://www.phoenixcontact.com/us/products/1420902>

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Sleeve housing B6, with screw locking, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M20, height: 74 mm, cable gland: none, increased environmental requirements

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1420902             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF58                |
| Product key                          | BF7API              |
| Catalog page                         | Page 597 (C-2-2019) |
| GTIN                                 | 4055626249018       |
| Weight per piece (including packing) | 218.8 g             |
| Weight per piece (excluding packing) | 217.9 g             |
| Customs tariff number                | 85389099            |
| Country of origin                    | CN                  |

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## Technical data

### Notes

|         |  |
|---------|--|
| General | For contact inserts HC-B6, BB10, DD24, M |
|---------|--|

### Product properties

|                              |                                      |
|------------------------------|--------------------------------------|
| Product type                 | Housing with screw locking           |
| Housing type                 | Sleeve housing                       |
| Product family               | HC-ADV                               |
| Application                  | increased environmental requirements |
| Type                         | B6                                   |
| No. of cable outlets         | 1                                    |
| Type of the screw connection | 1x M20                               |
| Type                         | Low design                           |
| Fixing screws                | M6 (screw head: 5 mm Allen screw)    |
| Shielded                     | no                                   |
| Cable outlet                 | lateral                              |
| Pg screw connection          | none                                 |

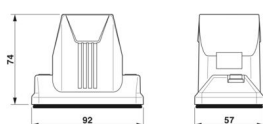
### Data management status

|                  |    |
|------------------|----|
| 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              | 92 mm  |

### Installation dimensions

|                               |       |
|-------------------------------|-------|
| Width of the assembly cutout  | 35 mm |
| Length of the assembly cutout | 52 mm |

### Material specifications

|                          |   |
|--------------------------|---|
| Seal material            | Viton                                   |
| Housing material         | Die-cast aluminum, salt water resistant |
| Housing surface material | Powder-coated, black                    |
| Locking latch material   | Stainless steel                         |

## Environmental and real-life conditions

### 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

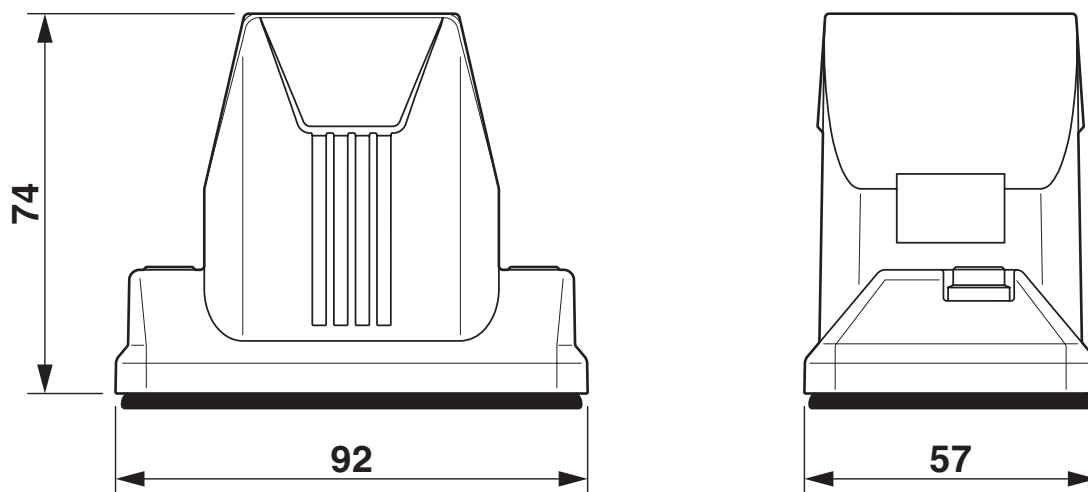
|                              |        |
|------------------------------|--------|
| Type of the screw connection | 1x M20 |
| Locking type                 | Screw  |

## Mounting

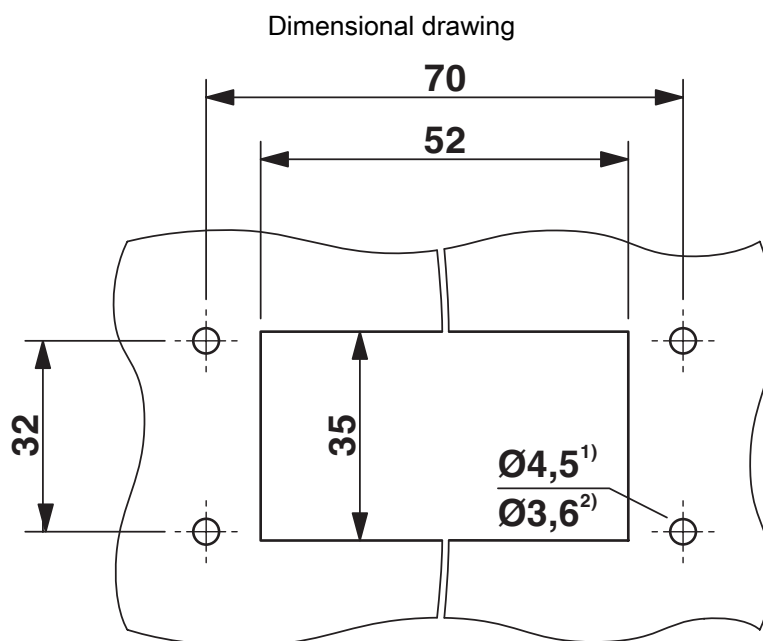
|               |                                   |
|---------------|-----------------------------------|
| Thread type   | ()                                |
| Fixing screws | M6 (screw head: 5 mm Allen screw) |

## Drawings

Dimensional drawing



Dimensional drawing



### Mounting cutout

1) when M4 screws are used


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

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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420902>




**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**

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%               |