

# HC-ADV-B24-HHWH-1STM25-EMC-AL - Housing



1414981

<https://www.phoenixcontact.com/us/products/1414981>

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HEAVYCON ADVANCE sleeve housing, B24, with stainless steel screw locking (Allen screw), salt-water-resistant aluminum, height: 93.7 mm, with thread, 1x M25, lateral cable outlet, without surface, conductive seal (EMC properties)

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1414981             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF58                |
| Product key                          | BF7APH              |
| Catalog page                         | Page 631 (C-2-2019) |
| GTIN                                 | 4055626035987       |
| Weight per piece (including packing) | 393 g               |
| Weight per piece (excluding packing) | 382.2 g             |
| Customs tariff number                | 85389099            |
| Country of origin                    | PL                  |

## Technical data

### Notes

|         |                                                          |
|---------|----------------------------------------------------------|
| General | for contact inserts HC-B24, BB46, D64, DD108, HV10/16, M |
|---------|----------------------------------------------------------|

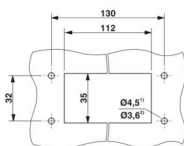
### Product properties

|                              |                                   |
|------------------------------|-----------------------------------|
| Product type                 | Housing with screw locking        |
| Housing type                 | Sleeve housing                    |
| Product family               | HC-ADV                            |
| Application                  | Offshore/EMC                      |
| Type                         | B24                               |
| No. of cable outlets         | 1                                 |
| Type of the screw connection | 1x M25                            |
| Fixing screws                | M6 (screw head: 5 mm Allen screw) |
| Cable outlet                 | lateral                           |
| Pg screw connection          | none                              |

### Connection data

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

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 57 mm                                                                                |
| Height              | 93.7 mm                                                                              |
| Length              | 152 mm                                                                               |

### Installation dimensions

|                               |        |
|-------------------------------|--------|
| Width of the assembly cutout  | 35 mm  |
| Length of the assembly cutout | 112 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

#### Ambient conditions

|                      |                     |
|----------------------|---------------------|
| Degree of protection | IP66                |
|                      | IP68 (0.2 bar/24 h) |

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

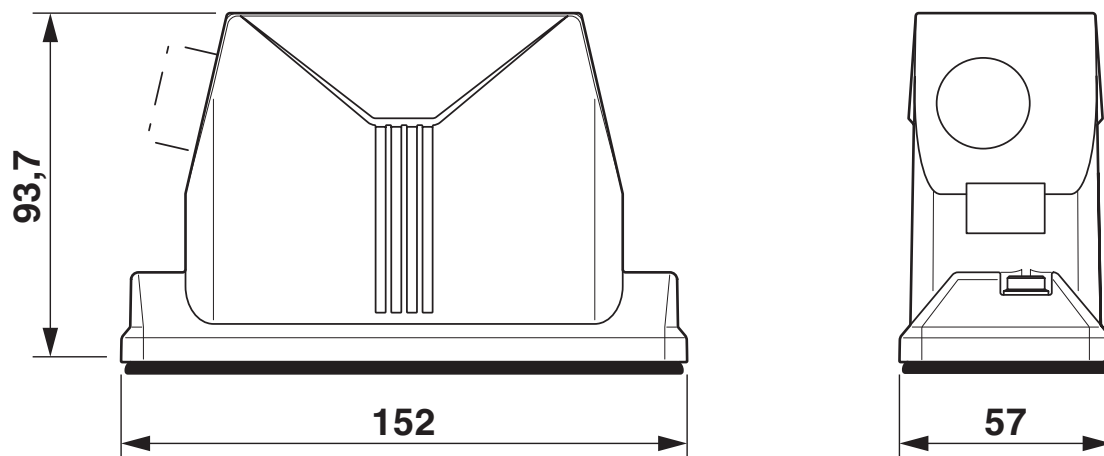
|                              |        |
|------------------------------|--------|
| Type of the screw connection | 1x M25 |
| Locking type                 | Screw  |

## Mounting

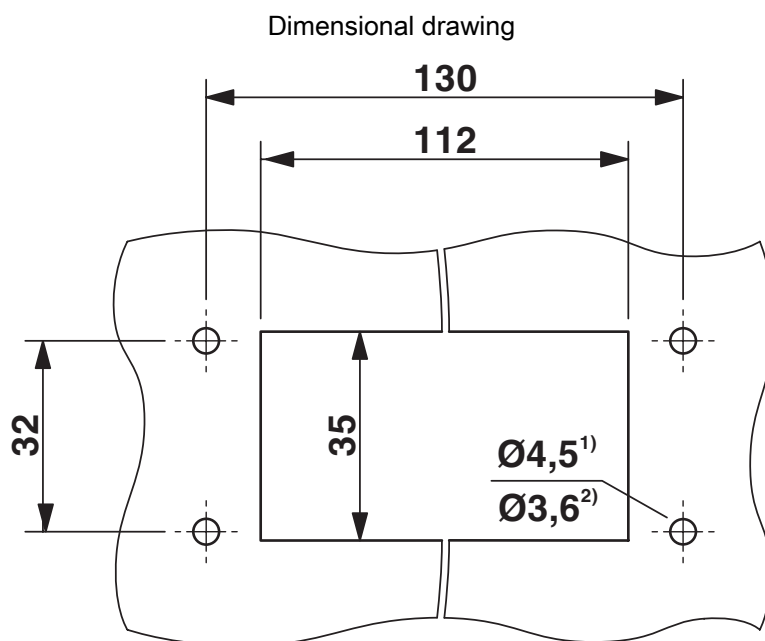
|               |                                   |
|---------------|-----------------------------------|
| Fixing screws | M6 (screw head: 5 mm Allen screw) |
|---------------|-----------------------------------|

## Drawings

Dimensional drawing



Dimensional drawing



Mounting cutout

1) when M4 screws are used

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

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414981>

**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%               |

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## Accessories

### HC-B-AF - Panel-mount flange

1686533

<https://www.phoenixcontact.com/us/products/1686533>



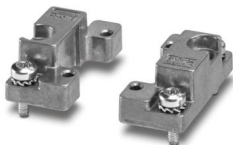
Panel-mount flange for HEAVYCON ADVANCE housing

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### HC-B-AF-SET - Panel-mount flange

1604638

<https://www.phoenixcontact.com/us/products/1604638>



Panel-mount flange for HEAVYCON ADVANCE housing, set consisting of:  
2 panel-mount flanges with 4 self-tapping screws (M4, Torx<sup>®</sup>) and 4 fan-type washers

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## HC-B 24-TMS-SD-IP50 - Protective cover

1690765

<https://www.phoenixcontact.com/us/products/1690765>



Protective cover B24, with clip locking, protective cover material: PA, height: 31.2 mm, seal: no, with lanyard

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## HC-B 24-TMS-SD-IP66 - Protective cover

1411520

<https://www.phoenixcontact.com/us/products/1411520>



HEAVYCON ADVANCE, IP66, B24 protective cover for panel mounting side, with screw locking, with retaining cord, diameter of retaining cord eyelet: 3 mm

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## G-INS-M25-M68N-PNES-GY - Cable gland

1411126

<https://www.phoenixcontact.com/us/products/1411126>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 11 mm ... 17 mm, shielding: no, connecting thread: M25 x 1.5, color: silver-grey RAL 7001

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## G-INS-M25-M68N-NNES-S - Cable gland

1411165

<https://www.phoenixcontact.com/us/products/1411165>



Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 11 mm ... 17 mm, shielding: no, connecting thread: M25 x 1.5, color: silver, with O-ring

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## HC-M-KV-M25(14-21) - Cable gland

1646007

<https://www.phoenixcontact.com/us/products/1646007>



Metal screw connection up to 5 bar, thread length: 7 mm, cable diameter: 14 - 21 mm, WAF 34, screw connection: M25

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## G-INSEC-M25-S68N-NCRS-S - Cable gland

1411190

<https://www.phoenixcontact.com/us/products/1411190>



Cable gland, material for screw connection: Brass, nickel-plated, application: EMC, external cable diameter 11 mm ... 16 mm, shielding: yes, connecting thread: M25 x 1.5, color: silver, with O-ring

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## HC-M-KV-M25(1ASI) - Cable gland

1584020

<https://www.phoenixcontact.com/us/products/1584020>



Metal screw connection for an AS-Interface flat-ribbon conductor, thread type M25

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## US-EMLP-HA (20X9) - Plastic label

0830989

<https://www.phoenixcontact.com/us/products/0830989>



Plastic label, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 20 x 9 mm, Number of individual labels: 70

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## US-EMLP-HA (20X9) CUS - Plastic label

0830995

<https://www.phoenixcontact.com/us/products/0830995>

Plastic label, Card, white, labeled, can be labeled with: THERMOMARK CARD, mounting type: adhesive, lettering field size: 20 x 9 mm, Number of individual labels: 70



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## WP-G HF IP66 M25 BK - Screw connection

3240899

<https://www.phoenixcontact.com/us/products/3240899>

Cable gland, metric thread, IP66 protection, straight



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## WP-G HF IP69K M25 BK - Screw connection

3240885

<https://www.phoenixcontact.com/us/products/3240885>

Cable gland, metric thread, IP68/69k protection, straight



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## WP-GA HF IP66 M25 BK - Screw connection

3240927

<https://www.phoenixcontact.com/us/products/3240927>

Cable gland, metric thread, IP66 protection, angled



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## WP-GA HF IP69K M25 BK - Screw connection

3240913

<https://www.phoenixcontact.com/us/products/3240913>

Cable gland, metric thread, IP68/69k protection, angled



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## WP-GR HF IP66 M25 BK - Screw connection

3240955

<https://www.phoenixcontact.com/us/products/3240955>

Cable gland, metric thread, IP66 protection, with strain relief



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<https://www.phoenixcontact.com/us/products/1414981>

## WP-GR HF IP69K M25 BK - Screw connection

3240941

<https://www.phoenixcontact.com/us/products/3240941>



Cable gland, metric thread, IP68/69k protection, with strain relief

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## WP-G PP HF M25 - Screw connection

3240999

<https://www.phoenixcontact.com/us/products/3240999>



Cable gland made from PP with metric thread, IP65 protection

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## WP-GT PP HF M25 - Screw connection

3241013

<https://www.phoenixcontact.com/us/products/3241013>



Cable gland made from PP with metric thread, rotatable, IP54 protection

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## WP-G BRASS IP40 M25 - Screw connection

3241048

<https://www.phoenixcontact.com/us/products/3241048>



Cable gland made from brass with metric thread, IP40 protection

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## WP-GT BRASS M25 - Screw connection

3241034

<https://www.phoenixcontact.com/us/products/3241034>



Cable gland made from brass with metric thread, rotatable, IP40 protection

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## WP-G BRASS IP65 M25 - Screw connection

3241062

<https://www.phoenixcontact.com/us/products/3241062>



Cable gland made from brass with metric thread, IP65 protection

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## SF-BIT-HEXB 5-89 - Screw insert

1208911

<https://www.phoenixcontact.com/us/products/1208911>



Screw bit, hexagonal with ball head, E6.3-1/4" drive, size: Hex 5 x 89 mm, hardened, suitable for holder according to DIN 3126-F 6.3/ISO 1173

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## SF-M BH - Screwdriver

1212070

<https://www.phoenixcontact.com/us/products/1212070>



Bit screwdriver, with 1/4" quick-action chuck, handle length 119 mm, 2-component handle, with non-slip grip, suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic

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