

1604133  
<https://www.phoenixcontact.com/ie/products/1604133>

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HEAVYCON ADVANCE for increased environmental requirements, sleeve housing B6, with screw locking, height 100 mm, with 1xM25 thread, lateral cable outlet

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1604133                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF                             |
| Product key                          | BF7AAA                         |
| Catalog page                         | Page 484 (C-4-2013)            |
| GTIN                                 | 4017918884048                  |
| Weight per piece (including packing) | 300.6 g                        |
| Weight per piece (excluding packing) | 300.6 g                        |
| Customs tariff number                | 85389099                       |
| Country of origin                    | DE                             |

# HC-B 6-TMS-100/O1STM25S-EUA - Housing



1604133

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## Technical data

### Notes

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

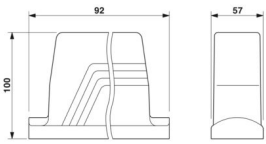
### Product properties

|                              |                                      |
|------------------------------|--------------------------------------|
| Product type                 | Housing with screw locking           |
| Housing type                 | Sleeve housing                       |
| Application                  | increased environmental requirements |
| Type                         | B6                                   |
| No. of cable outlets         | 1                                    |
| Type of the screw connection | 1x M25                               |
| Fixing screws                | M6                                   |
| Shielded                     | no                                   |
| Cable outlet                 | lateral                              |
| Pg screw connection          | none                                 |

### Connection data

|                   |                      |
|-------------------|----------------------|
| Tightening torque | 3 Nm (Locking screw) |
|-------------------|----------------------|

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 57 mm  |
| Height              | 100 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) |

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|                                 |                   |
|---------------------------------|-------------------|
|                                 | IP69K             |
| Enclosure rating (NEMA)         | 4 (NEMA 250)      |
|                                 | 4X (NEMA 250)     |
|                                 | 6P (NEMA 250)     |
|                                 | 12 (NEMA 250)     |
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Mechanical properties

### Mechanical data

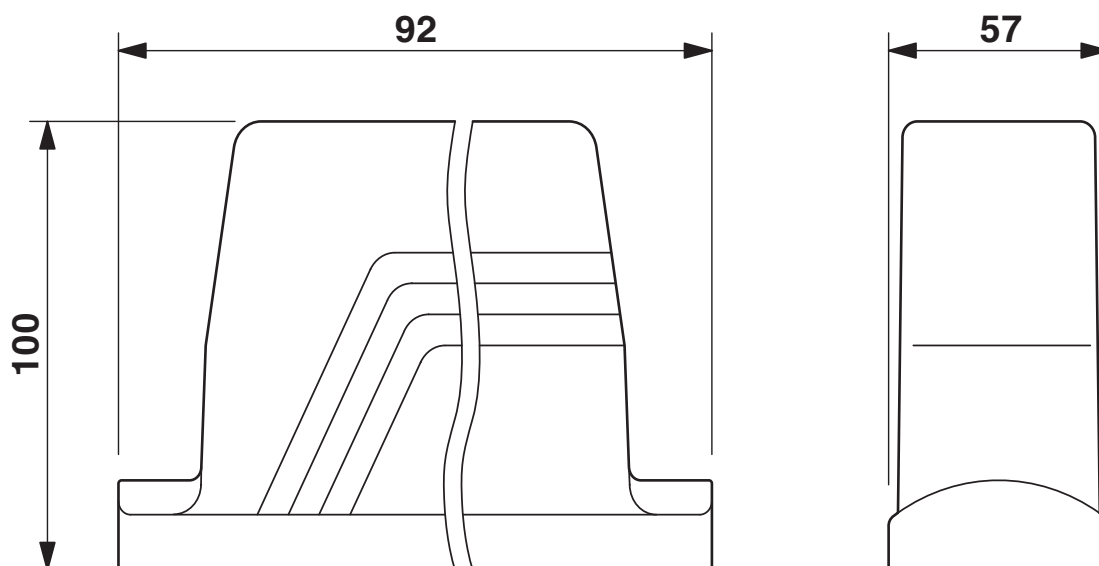
|                              |        |
|------------------------------|--------|
| Type of the screw connection | 1x M25 |
| Locking type                 | Screw  |

## Mounting

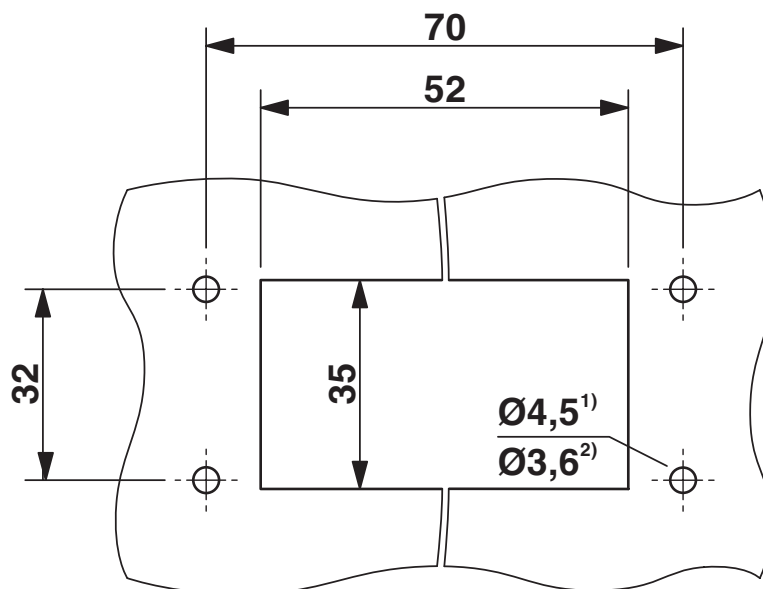
|               |  |
|---------------|--|
| Assembly note | In order to guarantee that the protective conductor contact functions even when plugged in at an angle, the two panel-mount flanges must have sufficient electrical contact with the metal mounting panel. |
|               | Tightening torque of locking screw 3 Nm.   |
| Fixing screws | M6   |

## 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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## Classifications

### ECLASS

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

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%               |

# HC-B 6-TMS-100/O1STM25S-EUA - Housing



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## Accessories

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

1686533

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



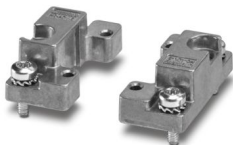
Panel-mount flange for HEAVYCON ADVANCE housing

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

1604638

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



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

# HC-B 6-TMS-100/O1STM25S-EUA - Housing



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## HC-B 6-TMS-SD-IP50 - Protective cover

1690736

<https://www.phoenixcontact.com/ie/products/1690736>



Protective cover B6, with clip locking, protective cover material: PA, height: 31.2 mm, seal: no, with lanyard

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## HC-B 6-TMS-SD-IP65 - Protective cover

1690778

<https://www.phoenixcontact.com/ie/products/1690778>



HEAVYCON ADVANCE IP65 protective cover B6, 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/ie/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-PNES-BK - Cable gland

1411134

<https://www.phoenixcontact.com/ie/products/1411134>



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: jet black RAL 9005

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

1411165

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



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

# HC-B 6-TMS-100/O1STM25S-EUA - Housing

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

1411190

<https://www.phoenixcontact.com/ie/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-Z-M25 - Cable gland

1646159

<https://www.phoenixcontact.com/ie/products/1646159>



Metal screw connection with strain relief clamp, thread length: 7 mm, cable sealing area: 10 - 19 mm, clamping area: 12 - 22 mm, SW 30, screw connection: M25

## HC-B 6-TMS-100/O1STM25S-EUA - Housing

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## HC-M-KV-T-M25 - Cable gland

1646191

<https://www.phoenixcontact.com/ie/products/1646191>

Metal screw connection with cable bend protection and strain relief, thread length: 7 mm, cable sealing area: 10 - 19 mm, clamping area: 14 - 21 mm, SW 30, screw connection: M25



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## REDUC-M-KV-M25/M20 - Reducing adapter

1647624

<https://www.phoenixcontact.com/ie/products/1647624>

Reducing adapter, connecting thread: M25 x 1.5, color: silver, with O-ring



# HC-B 6-TMS-100/O1STM25S-EUA - Housing

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## ENLAR-M-KV-M25/M32 - Extension adapter

1647679

<https://www.phoenixcontact.com/ie/products/1647679>

Extension adapter, connecting thread: M25 x 1.5, color: silver, with O-ring



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## HC-M-BS-M25 - Screw plug

1645859

<https://www.phoenixcontact.com/ie/products/1645859>

Screw plug, material for screw connection: Brass, nickel-plated, connecting thread: M25 x 1.5, color: silver



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