

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

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.



HEAVYCON B6 sleeve housing, HPR series, with screw locking, with M20 thread, lateral outlet, for increased environmental and EMC requirements

## Your advantages

- Vibration and shock: IEC 61373/EN 50155, category 1, class 1B

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1411878             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF60                |
| Product key                          | BF7AAI              |
| Catalog page                         | Page 626 (C-4-2015) |
| GTIN                                 | 4046356944250       |
| Weight per piece (including packing) | 497.2 g             |
| Weight per piece (excluding packing) | 497.2 g             |
| Customs tariff number                | 85389099            |
| Country of origin                    | CN                  |

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Technical data

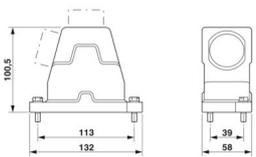
### Notes

|         |   |
|---------|---|
| General | For contact inserts HC-B6, BB10, DD24, M Tall housings for extra large wiring space |
|---------|---|

### Product properties

|                              |                            |
|------------------------------|----------------------------|
| Product type                 | Housing with screw locking |
| Housing type                 | Sleeve housing             |
| Product family               | HC-HPR-B                   |
| Series                       | HPR-B6                     |
| Application                  | Railway applications       |
| Type                         | B6                         |
| No. of cable outlets         | 1                          |
| Type of the screw connection | 1x M20                     |
| Type                         | Tall design                |
| Protective cover             | no                         |
| Cable outlet                 | lateral                    |
| Pg screw connection          | none                       |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 58 mm  |
| Height              | 100.5 mm   |
| Length              | 132 mm   |

### Material specifications

|                          |                      |
|--------------------------|----------------------|
| Housing material         | die-cast aluminum    |
| Housing surface material | Powder-coated, black |
| Locking latch material   | Stainless steel      |

### Environmental and real-life conditions

#### Ambient conditions

|                                 |                          |
|---------------------------------|--------------------------|
| Degree of protection            | IP66                     |
|                                 | IP68 (0.5 bar / 24 h)    |
|                                 | IP69 (ISO 20653:2013-02) |
| Impact strength                 | IK09                     |
| Ambient temperature (operation) | -40 °C ... 125 °C        |

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Mechanical properties

### Mechanical data

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

## Mounting

|               |   |
|---------------|---|
| Assembly note | M6 locking screw, slotted hexagon head screw (SW10),<br>tightening torque: 4 Nm |
|---------------|---|

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing

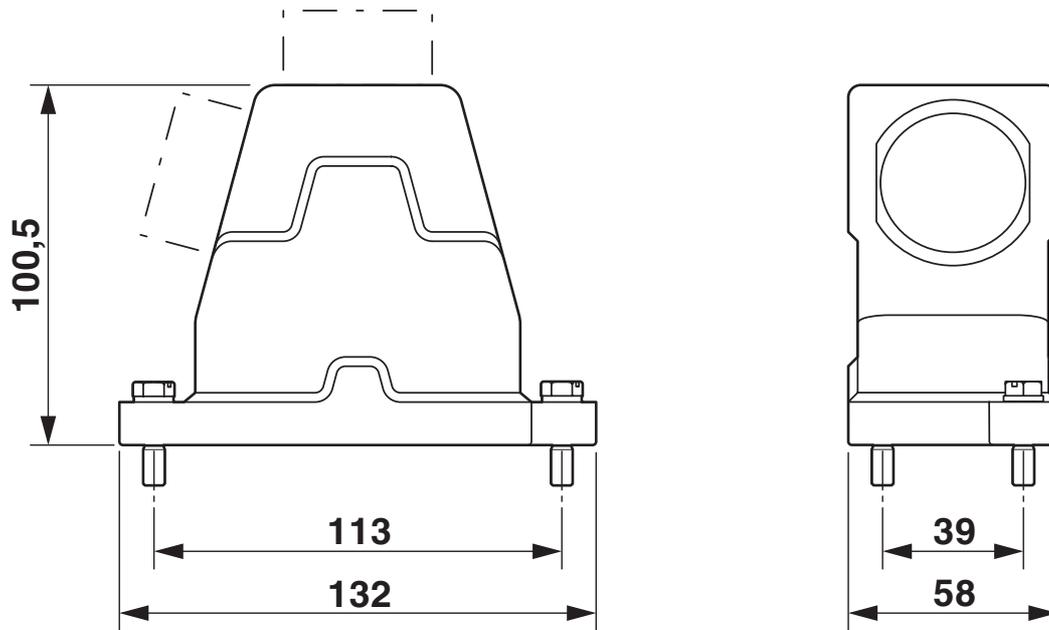


1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Drawings

Dimensional drawing



Dimensional drawing

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411878>

**DNV**

Approval ID: TAE000037S

**ERC**

**EAC**

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

**ERC**

**EAC**

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

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## 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-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## Accessories

### G-INS-M20-S68N-PNES-GY - Cable gland

1411125

<https://www.phoenixcontact.com/us/products/1411125>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-grey RAL 7001

---

### G-INS-M20-S68N-PNES-BK - Cable gland

1411133

<https://www.phoenixcontact.com/us/products/1411133>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: jet black RAL 9005

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing

1411878

<https://www.phoenixcontact.com/us/products/1411878>



## G-INS-M20-S68N-NNES-S - Cable gland

1411163

<https://www.phoenixcontact.com/us/products/1411163>



Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with O-ring

---

## HC-M-KV-M20(11-16) - Cable gland

1645998

<https://www.phoenixcontact.com/us/products/1645998>



Metal screw connection up to 5 bar, thread length: 6 mm, cable diameter: 11 - 16 mm, WAF 27, screw connection: M20

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## G-INSEC-M20-S68N-NCRS-S - Cable gland

1411189

<https://www.phoenixcontact.com/us/products/1411189>



Cable gland, material for screw connection: Brass, nickel-plated, application: EMC, external cable diameter 9 mm ... 13 mm, shielding: yes, connecting thread: M20 x 1.5, color: silver, with O-ring

---

## G-INESR-M20-S68N-NEPDS-S - Cable gland

1415192

<https://www.phoenixcontact.com/us/products/1415192>



Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 6 mm ... 13 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with external strain relief, with O-ring

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## HC-M-KV-T-M20 - Cable gland

1646188

<https://www.phoenixcontact.com/us/products/1646188>

Metal screw connection with cable bend protection and strain relief, thread length: 6 mm, cable sealing area: 7.5 - 15 mm, clamping area: 10 - 16 mm, SW 24, screw connection: M20



---

## REDUC-M-KV-M20/M16 - Reducing adapter

1647611

<https://www.phoenixcontact.com/us/products/1647611>

Reducing adapter, connecting thread: M20 x 1.5, color: silver, with O-ring



# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## ENLAR-M-KV-M20/M25 - Extension adapter

1647666

<https://www.phoenixcontact.com/us/products/1647666>

Extension adapter, connecting thread: M20 x 1.5, color: silver, with O-ring



---

## HC-M-BS-M20 - Screw plug

1645846

<https://www.phoenixcontact.com/us/products/1645846>

Screw plug, material for screw connection: Brass, nickel-plated, connecting thread: M20 x 1.5, color: silver



# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## 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

---

## 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

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing

1411878

<https://www.phoenixcontact.com/us/products/1411878>



## WP-G HF IP66 M20 BK - Screw connection

3240898

<https://www.phoenixcontact.com/us/products/3240898>



Cable gland, metric thread, IP66 protection, straight

---

## WP-G HF IP69K M20 BK - Screw connection

3240884

<https://www.phoenixcontact.com/us/products/3240884>



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

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing

1411878

<https://www.phoenixcontact.com/us/products/1411878>



## WP-GA HF IP66 M20 BK - Screw connection

3240926

<https://www.phoenixcontact.com/us/products/3240926>

Cable gland, metric thread, IP66 protection, angled



---

## WP-GA HF IP69K M20 BK - Screw connection

3240912

<https://www.phoenixcontact.com/us/products/3240912>

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



# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing

1411878

<https://www.phoenixcontact.com/us/products/1411878>

## WP-GR HF IP66 M20 BK - Screw connection

3240954

<https://www.phoenixcontact.com/us/products/3240954>



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

---

## WP-GR HF IP69K M20 BK - Screw connection

3240940

<https://www.phoenixcontact.com/us/products/3240940>



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

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## WP-G PP HF M20 - Screw connection

3240998

<https://www.phoenixcontact.com/us/products/3240998>



Cable gland made from PP with metric thread, IP65 protection

---

## WP-GT PP HF M20 - Screw connection

3241012

<https://www.phoenixcontact.com/us/products/3241012>



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

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

## WP-G BRASS IP40 M20 - Screw connection

3241047

<https://www.phoenixcontact.com/us/products/3241047>



Cable gland made from brass with metric thread, IP40 protection

---

## WP-GT BRASS M20 - Screw connection

3241033

<https://www.phoenixcontact.com/us/products/3241033>



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

# HC-HPR-B06-HHWH-1STM20-EM-BK - Housing



1411878

<https://www.phoenixcontact.com/us/products/1411878>

WP-G BRASS IP65 M20 - Screw connection

3241061

<https://www.phoenixcontact.com/us/products/3241061>



Cable gland made from brass with metric thread, IP65 protection

---

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)