

# HC-HPR-B06-SHFH-2SSM20-EMR-BK - Housing



1411880

<https://www.phoenixcontact.com/us/products/1411880>

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HEAVYCON B6 box mounting base, for screw locking, HPR series, with 2 x M20 gland, for increased environmental and EMC requirements

## Your advantages

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

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1411880             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF60                |
| Product key                          | BF7AAI              |
| Catalog page                         | Page 626 (C-4-2015) |
| GTIN                                 | 4046356944472       |
| Weight per piece (including packing) | 822 g               |
| Weight per piece (excluding packing) | 806 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 |
|---------|--|

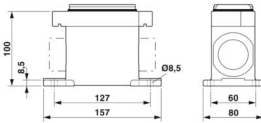
### Product properties

|                              |                            |
|------------------------------|----------------------------|
| Product type                 | Housing with screw locking |
| Housing type                 | Box mounting bases         |
| Product family               | HC-HPR-B                   |
| Series                       | HPR-B6                     |
| Application                  | Railway applications       |
| Type                         | B6                         |
| No. of cable outlets         | 2                          |
| Type of the screw connection | 2x M20                     |
| Type                         | Tall design                |
| Protective cover             | no                         |
| Cable outlet                 | lateral                    |
| Pg screw connection          | none                       |

### Connection data

|                   |   |
|-------------------|---|
| Tightening torque | 10 Nm ... 15 Nm (for M8 mounting screws on the surface-mount housing) |
|-------------------|---|

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Width                           | 80 mm  |
| Height                          | 100 mm   |
| Length                          | 157 mm   |
| Drill hole distance, horizontal | 127 mm   |
| Drill hole distance, vertical   | 60 mm  |
| Hole diameter                   | 8.5 mm   |

### Material specifications

|                          |                      |
|--------------------------|----------------------|
| Seal material            | NBR                  |
| Housing material         | die-cast aluminum    |
| Housing surface material | Powder-coated, black |

### Environmental and real-life conditions

|                    |
|--------------------|
| Ambient conditions |
|--------------------|

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

## Mechanical properties

### Mechanical data

|                              |        |
|------------------------------|--------|
| Type of the screw connection | 2x M20 |
| Locking type                 | Nut    |

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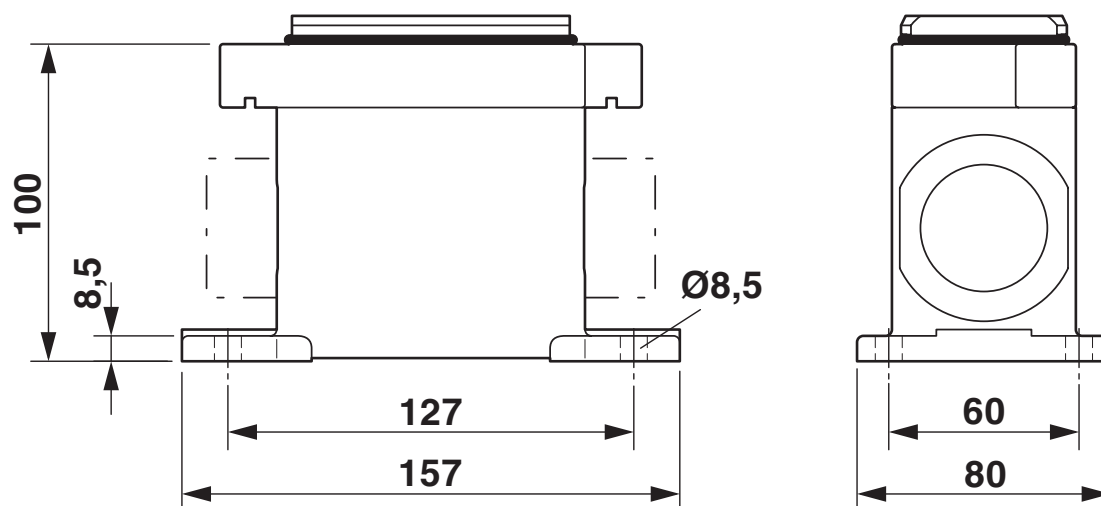
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## Drawings

Dimensional drawing




Dimensional drawing

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Approvals


 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411880>



Approval ID: TAE000037S



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



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



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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

### 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

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### 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



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## 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

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## 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

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## 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

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## 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

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## 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



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## 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



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## 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



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## 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



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## HC-HPR-B06-BCLWH-E-BK - Protective cover

1418441

<https://www.phoenixcontact.com/us/products/1418441>

Protective cover B6, with screw locking, material: die-cast aluminum, protective cover material: Al, height: 32 mm, seal: no, for increased environmental and EMC requirements



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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 M20 BK - Screw connection

3240898

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

Cable gland, metric thread, IP66 protection, straight



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

3240884

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



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

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

3240926

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



Cable gland, metric thread, IP66 protection, angled

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

3240912

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

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



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## 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





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## 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

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## 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

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## 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



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## 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



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## 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



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## 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



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