

1604049  
<https://www.phoenixcontact.com/us/products/1604049>

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HEAVYCON ADVANCE for increased environmental requirements, sleeve housing B6, with screw locking, height 100 mm, with 1xM20 thread, straight cable outlet

Commercial data

Item number	1604049
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF58
Product key	BF7AAA
Catalog page	Page 484 (C-4-2013)
GTIN	4017918883959
Weight per piece (including packing)	312.11 g
Weight per piece (excluding packing)	302.94 g
Customs tariff number	85389099
Country of origin	DE

# HC-B 6-TMS-100/O1STM20G-EUA - Housing



1604049

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## Technical data

### Notes

General	For contact inserts HC-B6, BB10, DD24, M
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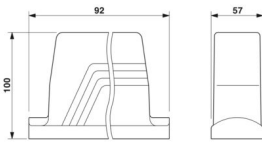
### Product properties

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 M20
Fixing screws	M6
Shielded	no
Cable outlet	straight
Pg screw connection	none

### Connection data

Tightening torque	3 Nm (Locking screw)
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### 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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Enclosure rating (NEMA)	IP69
	4 (NEMA 250)
	4X (NEMA 250)
	6P (NEMA 250)
	12 (NEMA 250)
Ambient temperature (operation)	-40 °C ... 125 °C

## Mechanical properties

### Mechanical data

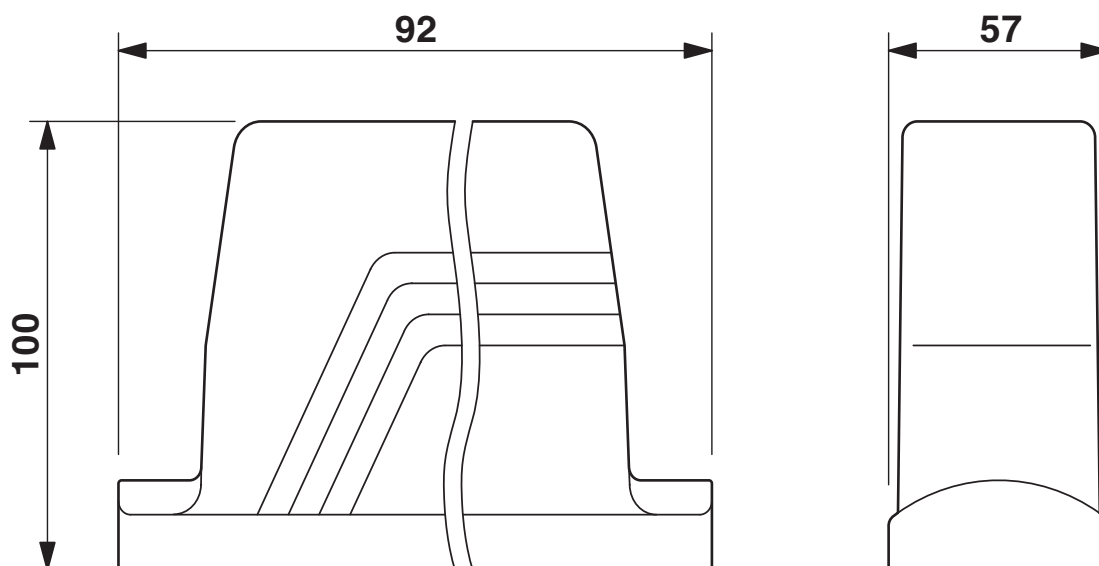
Type of the screw connection	1x M20
Locking type	Screw

## 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

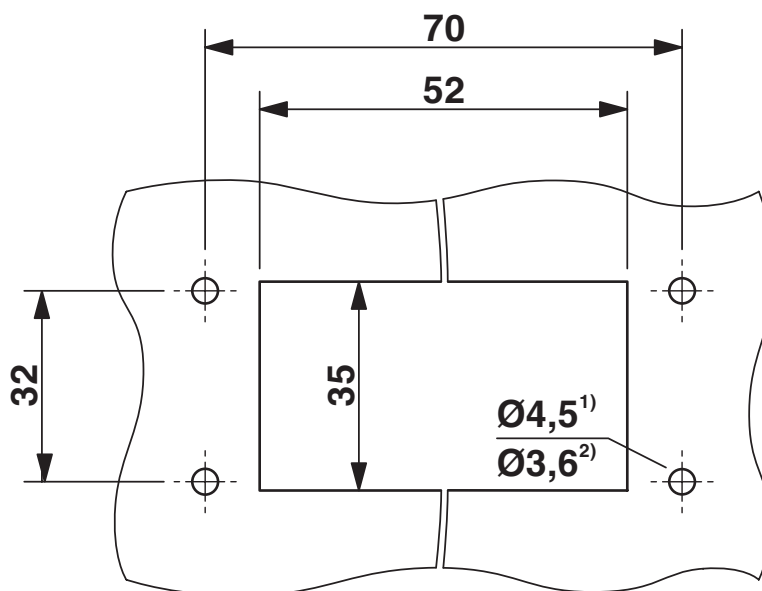
## Drawings

Dimensional drawing



Dimensional drawing

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

### ETIM

ETIM 8.0	EC000437
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### UNSPSC

UNSPSC 21.0	31261500
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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/O1STM20G-EUA - Housing

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## Accessories

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

1686533

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



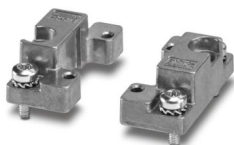
Panel-mount flange for HEAVYCON ADVANCE housing

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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 6-TMS-SD-IP50 - Protective cover

1690736

<https://www.phoenixcontact.com/us/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-IP66 - Protective cover

1411494

<https://www.phoenixcontact.com/us/products/1411494>



HEAVYCON ADVANCE, IP66, B6 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-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



## HC-B 6-TMS-100/O1STM20G-EUA - Housing

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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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## 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

# HC-B 6-TMS-100/O1STM20G-EUA - Housing

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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



# HC-B 6-TMS-100/O1STM20G-EUA - Housing

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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



# HC-B 6-TMS-100/O1STM20G-EUA - Housing



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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

# HC-B 6-TMS-100/O1STM20G-EUA - Housing

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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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