

HC-ADV-B16-HLWH-1STM25-MF-BK - Housing



1420920

<https://www.phoenixcontact.com/us/products/1420920>

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Sleeve housing B16, with screw locking, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M25, height: 74 mm, cable gland: none, increased environmental requirements

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1420920 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF58 |
| Product key | BF7API |
| Catalog page | Page 617 (C-2-2019) |
| GTIN | 4055626249193 |
| Weight per piece (including packing) | 279 g |
| Weight per piece (excluding packing) | 279 g |
| Customs tariff number | 85389099 |
| Country of origin | CN |

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Technical data

Notes

| | |
|---------|---|
| General | For contact inserts HC-B16, BB32, D40, DD72, HS6, HV6, M, K |
|---------|---|

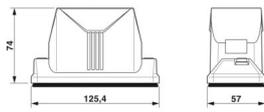
Product properties

| | |
|------------------------------|--------------------------------------|
| Product type | Housing with screw locking |
| Housing type | Sleeve housing |
| Product family | HC-ADV |
| Application | increased environmental requirements |
| Type | B16 |
| No. of cable outlets | 1 |
| Type of the screw connection | 1x M25 |
| Type | Low design |
| Fixing screws | M6 (screw head: 5 mm Allen screw) |
| Shielded | no |
| 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 | 74 mm |
| Length | 125.5 mm |

Installation dimensions

| | |
|-------------------------------|-------|
| Width of the assembly cutout | 35 mm |
| Length of the assembly cutout | 86 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

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

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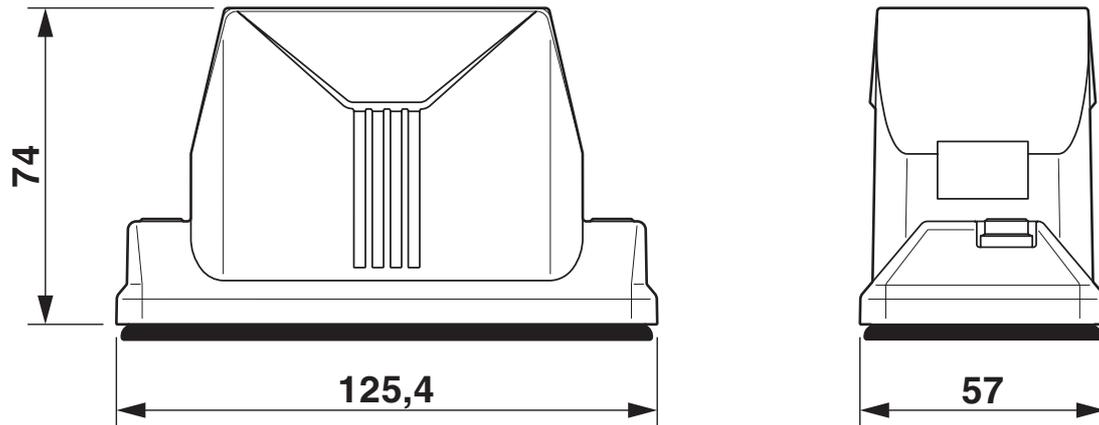


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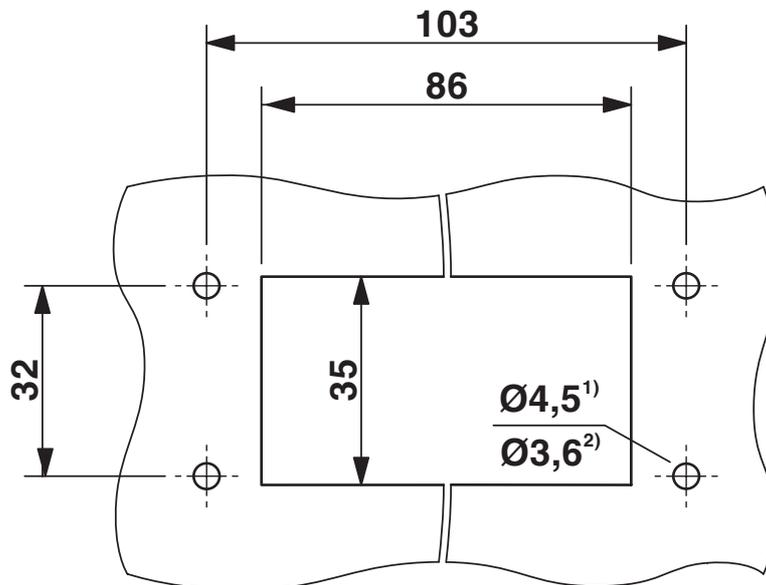
Drawings

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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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1420920>

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

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

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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% |
|-------------------------------------|----------------------------|

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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

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[®]) and 4 fan-type washers

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HC-B 16-TMS-SD-IP50 - Protective cover

1690752

<https://www.phoenixcontact.com/us/products/1690752>



Protective cover B16, with clip locking, protective cover material: PA, height: 31.2 mm, seal: no, with lanyard

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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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

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

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

0830989

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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

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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

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



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

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



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



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

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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