

**HDC IP68 16B AS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The new RockStar® enclosures are resistant to seawater and offer a high degree of shock resistance, meet IP 68 and IP 69K, and have been developed for use under extreme environmental conditions and designed for the high vibration requirements acc. to DIN EN 61373 cat. 2 (bogie). As such, this housing family is ideally suited for fault- and maintenance-free operation of heavy-duty connectors in transport and traffic engineering as well as in power engineering and in applications with extreme requirements. During development, measures were also implemented to make the enclosures extremely EMC-resistant.

**General ordering data**

|            |  |
|------------|--|
| Version    | HDC enclosures, Size: 6, Protection degree: IP66 (in plugged condition), IP68 (in plugged condition), Bulkhead housing, Clamping yoke connection, Standard |
| Order No.  | <a href="#">1081530000</a>   |
| Type       | HDC IP68 16B AS  |
| GTIN (EAN) | 4032248843992  |
| Qty.       | 1 pc(s).   |

## HDC IP68 16B AS

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|                             |         |                            |            |
|-----------------------------|---------|----------------------------|------------|
| Depth                       | 164 mm  | Depth (inches)             | 6.457 inch |
| Height                      | 29.5 mm | Height (inches)            | 1.161 inch |
| Width                       | 58 mm   | Width (inches)             | 2.283 inch |
| Mounting dimension - height | 32 mm   | Mounting dimension - width | 103 mm     |
| Net weight                  | 180 g   |                            |            |

## Temperatures

|                   |                   |
|-------------------|-------------------|
| Limit temperature | -50 °C ... 125 °C |
|-------------------|-------------------|

## Dimensions

|                      |        |                      |        |
|----------------------|--------|----------------------|--------|
| Height of housing B  | 21 mm  | Hole pitch length A2 | 103 mm |
| Total length housing | 164 mm |                      |        |

## General data

|                   |  |                       |                   |
|-------------------|--|-----------------------|-------------------|
| EMC housings      | Yes  | Housing main material | diecast aluminium |
| Protection degree | IP66 (in plugged condition), IP68 (in plugged condition) | Surface finish        | Powder coating    |

## Version

|                        |                         |                          |                          |
|------------------------|-------------------------|--------------------------|--------------------------|
| BG                     | 6                       | Clamp version            | Clamping yoke connection |
| Colour (RAL)           | RAL 9011, RAL 9005      | Design                   | Standard                 |
| Design of housing      | Bulkhead housing        | Design of locking system | Clamping yoke connection |
| Sealing                | Silicone                | Size                     | 6                        |
| Suitable for ModuPlug® | Yes                     | Top part/bottom part/lid | lower part               |
| Type                   | Bulkhead (feed-through) |                          |                          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000437    | ETIM 7.0    | EC000437    |
| ETIM 8.0    | EC000437    | ETIM 9.0    | EC000437    |
| ECLASS 9.0  | 27-44-02-02 | ECLASS 9.1  | 27-44-02-02 |
| ECLASS 10.0 | 27-44-02-02 | ECLASS 11.0 | 27-44-02-02 |
| ECLASS 12.0 | 27-44-02-02 | ECLASS 13.0 | 27-44-02-02 |

|                     |                         |
|---------------------|-------------------------|
| Substance           | Acetone                 |
| Chemical resistance | Resistant               |
| Substance           | Diesel oil              |
| Chemical resistance | Unstable                |
| Substance           | Ethyl alcohol           |
| Chemical resistance | Resistant               |
| Substance           | Transmission oil        |
| Chemical resistance | Conditionally resistant |
| Substance           | Hydraulic oil           |
| Chemical resistance | Conditionally resistant |
| Substance           | Petroleum benzine       |

**HDC IP68 16B AS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data**

|                     |                         |
|---------------------|-------------------------|
| Chemical resistance | Unstable                |
| Substance           | Sweat                   |
| Chemical resistance | Conditionally resistant |
| Substance           | Premium gasoline        |
| Chemical resistance | Unstable                |
| Substance           | Water                   |
| Chemical resistance | Resistant               |
| Substance           | UV                      |
| Chemical resistance | Resistant               |
| Substance           | Ozone                   |
| Chemical resistance | Resistant               |

**Important note**

Product information When mounting the housings, make sure that the flat gasket is correctly seated.

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity

[Manufacturer's declaration](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[20220214 Technical change to HDC housings](#)  
[20220214 Technische Änderung bei HDC-Gehäusen](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

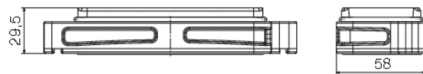
[FL FIELDWIRING EN](#)  
[FL FIELDWIRING EN](#)

### HDC IP68 16B AS

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings



**HDC IP68 16B AS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Flange seals**

We offer a variety of accessories, including seals, to accompany the housings.

Because of the excellent sealing, you can achieve the best seal possible with our housings.

Extensive testing has confirmed it – RockStar® remains impermeable to water to a depth of 50 metres. This allows you to use heavy-duty connectors in environments which previously required fixed-wire installation.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC FLDG 16B IP68          | Version   |
| Order No.  | <a href="#">1987520000</a> | Accessories, Enclosures accessories, Protection degree: Design of |
| GTIN (EAN) | 4050118379235              | housing: Clamp version: Design: Approvals :                       |
| Qty.       | 1 pc(s).                   |   |

**IP68 O-ring seals**

We offer a variety of accessories, including seals, to accompany the housings.

Because of the excellent sealing, you can achieve the best seal possible with our housings.

Extensive testing has confirmed it – RockStar® remains impermeable to water to a depth of 50 metres. This allows you to use heavy-duty connectors in environments which previously required fixed-wire installation.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC DG 16B IP68            | Version   |
| Order No.  | <a href="#">1987530000</a> | Accessories, Enclosures accessories, Protection degree: Design of |
| GTIN (EAN) | 4050118379181              | housing: Clamp version: Design: Approvals :                       |
| Qty.       | 1 pc(s).                   |   |