

**HDC IP68 06B AS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**IP68**

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, Installation size: 3, Protection degree: IP66, IP68, in plugged condition, Bulkhead housing, Clamping yoke connection, Standard |
| Order No.  | <a href="#">1081510000</a>  |
| Type       | HDC IP68 06B AS   |
| GTIN (EAN) | 4032248844258   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

Approvals



ROHS

Conform

## Dimensions and weights

|                             |          |                            |             |
|-----------------------------|----------|----------------------------|-------------|
| Height                      | 30 mm    | Height (inches)            | 1.1811 inch |
| Width                       | 58 mm    | Width (inches)             | 2.2835 inch |
| Mounting dimension - height | 32 mm    | Mounting dimension - width | 70 mm       |
| Net weight                  | 141.68 g |                            |             |

## Temperatures

Limit temperature -50 °C ... 125 °C

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

|                     |                     |                         |
|---------------------|---------------------|-------------------------|
| Chemical resistance | 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       |
|                     | 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               |

## Dimensions

|                      |        |                     |           |
|----------------------|--------|---------------------|-----------|
| Hole pitch length A2 | 70 mm  | Cable entry         | w. thread |
| Total length housing | 132 mm | Height of housing B | 30 mm     |

## General data

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

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**Technical data****Version**

|                          |                          |                        |                          |
|--------------------------|--------------------------|------------------------|--------------------------|
| Top part/bottom part/lid | lower part               | Design of housing      | Bulkhead housing         |
| Design of locking system | Clamping yoke connection | Design                 | Standard                 |
| Installation size        | 3                        | Cable entry            | w. thread                |
| Type                     | Bulkhead (feed-through)  | Clamp version          | Clamping yoke connection |
| Sealing                  | Silicone                 | Colour (RAL)           | RAL 9011, RAL 9005       |
| BG                       | 3                        | Suitable for ModuPlug® | Yes                      |

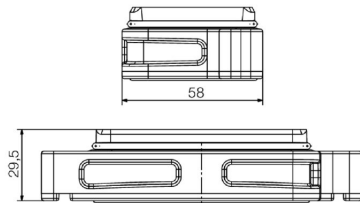
**Important note**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000437    | ETIM 7.0    | EC000437    |
| ETIM 8.0    | EC000437    | ETIM 9.0    | EC000437    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-44-02-02 |
| ECLASS 15.0 | 27-44-02-02 |             |             |

**Drawings**



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**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 06B IP68          | Version                             |
| Order No.  | <a href="#">1987480000</a> | Accessories, Enclosures accessories |
| GTIN (EAN) | 4050118379242              |                                     |
| Qty.       | 10 ST                      |                                     |

**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 06B IP68            | Version                             |
| Order No.  | <a href="#">1987490000</a> | Accessories, Enclosures accessories |
| GTIN (EAN) | 4050118379198              |                                     |
| Qty.       | 10 ST                      |                                     |