

**HDC IP68 16B SS 1M40****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, Size: 6, Protection degree: IP66 (in plugged condition), IP69K, IP68 (in plugged condition), Base housing, Clamping yoke connection, Standard, Size of cable entries: M 40 |
| Order No.  | <a href="#">1081360000</a>   |
| Type       | HDC IP68 16B SS 1M40   |
| GTIN (EAN) | 4032248877416  |
| Qty.       | 1 pc(s).   |

Creation date August 29, 2024 3:05:44 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|                             |          |                            |           |
|-----------------------------|----------|----------------------------|-----------|
| Height                      | 111.5 mm | Height (inches)            | 4.39 inch |
| Width                       | 80 mm    | Width (inches)             | 3.15 inch |
| Mounting dimension - height | 60 mm    | Mounting dimension - width | 160 mm    |
| Net weight                  | 1,042 g  |                            |           |

## Temperatures

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

## Dimensions

|                      |          |                      |        |
|----------------------|----------|----------------------|--------|
| Height of housing B  | 111.5 mm | Hole pitch length A2 | 160 mm |
| Total length housing | 189 mm   |                      |        |

## General data

|                   |   |                       |                   |
|-------------------|---|-----------------------|-------------------|
| EMC housings      | Yes   | Housing main material | diecast aluminium |
| Protection degree | IP66 (in plugged condition), IP69K, 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              | Base housing       | Design of locking system     | Clamping yoke connection |
| Internal thread                | M 40               | Number of cable entry on top | 0                        |
| Number of cable entry sideways | 1                  | Sealing                      | Silicone                 |
| Size                           | 6                  | Size of cable entries        | M 40                     |
| Suitable for ModuPlug®         | Yes                | Top part/bottom part/lid     | lower part               |
| Type                           | Base housing       |                              |                          |

## 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 |
| ECLASS 14.0 | 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 |

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**Technical data**

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

**Environmental Product Compliance**

REACH SVHC

/

Chemical resistance

de.myview.objectmodel.impl.BlockImpl@6764eb52 de.myview.objectmodel.impl.BlockImpl@338ebfac  
 de.myview.objectmodel.impl.BlockImpl@35d9c8a9 de.myview.objectmodel.impl.BlockImpl@55536dab  
 de.myview.objectmodel.impl.BlockImpl@15ad3228 de.myview.objectmodel.impl.BlockImpl@53989cee  
 de.myview.objectmodel.impl.BlockImpl@287f8ab4 de.myview.objectmodel.impl.BlockImpl@660f8425  
 de.myview.objectmodel.impl.BlockImpl@1a4fc6be de.myview.objectmodel.impl.BlockImpl@da756f5  
 de.myview.objectmodel.impl.BlockImpl@595947df

RoHS Compliance Status

Compliant without exemption

**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](#)

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## Drawings



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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 |
| GTIN (EAN) | 4050118379181              |                                     |
| Qty.       | 1 pc(s).                   |                                     |