

**HDC IP68 16B SS****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 |
| Order No.  | <a href="#">1081340000</a>                                                                                                                                    |
| Type       | HDC IP68 16B SS                                                                                                                                               |
| GTIN (EAN) | 4032248877393                                                                                                                                                 |
| Qty.       | 1 pc(s).                                                                                                                                                      |

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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                  | 998 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 |
| Sealing                | Silicone           | Size                     | 6                        |
| 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    |
| 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 |             |             |

|                     |                         |
|---------------------|-------------------------|
| 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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| 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**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS Compliance Status | Compliant without exemption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| REACH SVHC             | No SVHC above 0.1 wt%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chemical resistance    | de.myview.objectmodel.impl.BlockImpl@54777ef de.myview.objectmodel.impl.BlockImpl@5c2d539e<br>de.myview.objectmodel.impl.BlockImpl@58dcbee5 de.myview.objectmodel.impl.BlockImpl@1e5a4b08<br>de.myview.objectmodel.impl.BlockImpl@209caf23 de.myview.objectmodel.impl.BlockImpl@169ba90d<br>de.myview.objectmodel.impl.BlockImpl@2b8d16ad de.myview.objectmodel.impl.BlockImpl@67c31adf<br>de.myview.objectmodel.impl.BlockImpl@226344b3 de.myview.objectmodel.impl.BlockImpl@697b5233<br>de.myview.objectmodel.impl.BlockImpl@2a0009cf |

**Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                                             |                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Manufacturer's declaration</a>                                                                                 |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                            |
| Product Change Notification                 | <a href="#">20220214 Technical change to HDC housings</a><br><a href="#">20220214 Technische Änderung bei HDC-Gehäusen</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                   |
| Brochures                                   | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a>                                                     |

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## Drawings

