

**HDC IP68 16B TSS 1M50****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: IP68 (in plugged condition), IP66 (in plugged condition), IP69K, Plug housing, Clamping yoke connection, Standard, Size of cable entries: M 50 |
| Order No.  | <a href="#">1082820000</a>                                                                                                                                                                 |
| Type       | HDC IP68 16B TSS 1M50                                                                                                                                                                      |
| GTIN (EAN) | 4032248845866                                                                                                                                                                              |
| Qty.       | 1 pc(s).                                                                                                                                                                                   |

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Height     | 111 mm | Height (inches) | 4.37 inch  |
| Width      | 58 mm  | Width (inches)  | 2.283 inch |
| Net weight | 455 g  |                 |            |

## Temperatures

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

## Dimensions

|                      |           |                     |        |
|----------------------|-----------|---------------------|--------|
| Cable entry          | w. thread | Height of housing B | 111 mm |
| Total length housing | 110.5 mm  |                     |        |

## General data

|                             |                             |                       |                                                                 |
|-----------------------------|-----------------------------|-----------------------|-----------------------------------------------------------------|
| EMC housings                | Yes                         | Housing main material | diecast aluminium                                               |
| Material of locking element |                             | Protection degree     | IP68 (in plugged condition), IP66 (in plugged condition), IP69K |
|                             | Stainless steel, rust-proof |                       |                                                                 |
| Surface finish              | Powder coating              | Tightening torque     | 6.5 Nm                                                          |

## Version

|                              |                          |                                |                    |
|------------------------------|--------------------------|--------------------------------|--------------------|
| BG                           | 6                        | Cable entry                    | w. thread          |
| Clamp version                | Clamping yoke connection | Colour (RAL)                   | RAL 9011, RAL 9005 |
| Design                       | Standard                 | Design of housing              | Plug housing       |
| Design of locking system     | Clamping yoke connection | Internal thread                | M 50               |
| Number of cable entry on top | 0                        | Number of cable entry sideways | 1                  |
| Size                         | 6                        | Size of cable entries          | M 50               |
| Suitable for ModuPlug®       | Yes                      | Tightening torque              | 6.5 Nm             |
| Top part/bottom part/lid     | upper part               | Type                           | Plug               |

## 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           |

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**Technical data**

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

**Environmental Product Compliance**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS Compliance Status | Compliant without exemption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| REACH SVHC             | No SVHC above 0.1 wt%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chemical resistance    | de.myview.objectmodel.impl.BlockImpl@34af5cf9 de.myview.objectmodel.impl.BlockImpl@6a32a64b<br>de.myview.objectmodel.impl.BlockImpl@6d3f5d91 de.myview.objectmodel.impl.BlockImpl@117b0d52<br>de.myview.objectmodel.impl.BlockImpl@5f7dd310 de.myview.objectmodel.impl.BlockImpl@2082264a<br>de.myview.objectmodel.impl.BlockImpl@37c6341e de.myview.objectmodel.impl.BlockImpl@7e1ebe29<br>de.myview.objectmodel.impl.BlockImpl@4f4a17a9 de.myview.objectmodel.impl.BlockImpl@7e4bd87c<br>de.myview.objectmodel.impl.BlockImpl@782b656f |

**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

