

**HDC IP68 16B FRAME M6****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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: IP69K, IP66 (in plugged condition), IP68 (in plugged condition), , Clamping yoke connection, Standard |
| Order No.  | <a href="#">1110910000</a>                                                                                                                        |
| Type       | HDC IP68 16B FRAME M6                                                                                                                             |
| GTIN (EAN) | 4032248886975                                                                                                                                     |
| Qty.       | 1 pc(s).                                                                                                                                          |

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## Technical data

## Dimensions and weights

|                             |        |                            |            |
|-----------------------------|--------|----------------------------|------------|
| Depth                       | 129 mm | Depth (inches)             | 5.079 inch |
| Height                      | 14 mm  | Height (inches)            | 0.551 inch |
| Width                       | 58 mm  | Width (inches)             | 2.283 inch |
| Mounting dimension - height | 32 mm  | Mounting dimension - width | 103 mm     |
| Net weight                  | 66 g   |                            |            |

## Temperatures

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

## Dimensions

|                      |        |                      |        |
|----------------------|--------|----------------------|--------|
| Height of housing B  | 14 mm  | Hole pitch length A2 | 103 mm |
| Total length housing | 129 mm |                      |        |

## General data

|                   |                                                                 |                       |                   |
|-------------------|-----------------------------------------------------------------|-----------------------|-------------------|
| EMC housings      | Yes                                                             | Housing main material | diecast aluminium |
| Protection degree | IP69K, IP66 (in plugged condition), IP68 (in plugged condition) |                       |                   |

## Version

|                          |            |                          |                          |
|--------------------------|------------|--------------------------|--------------------------|
| BG                       | 6          | Colour (RAL)             | RAL 7001, RAL 9005       |
| Design                   | Standard   | Design of locking system | Clamping yoke connection |
| 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    |
| 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 |
| Substance           | Petroleum benzine       |

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|                     |                         |
|---------------------|-------------------------|
| 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@7922cc40 de.myview.objectmodel.impl.BlockImpl@9c4a756<br>de.myview.objectmodel.impl.BlockImpl@195b3569 de.myview.objectmodel.impl.BlockImpl@1f73ced2<br>de.myview.objectmodel.impl.BlockImpl@705c41b0 de.myview.objectmodel.impl.BlockImpl@5c8ea6fa<br>de.myview.objectmodel.impl.BlockImpl@1c3e207f de.myview.objectmodel.impl.BlockImpl@1dba7874<br>de.myview.objectmodel.impl.BlockImpl@f79fbb2 de.myview.objectmodel.impl.BlockImpl@26e935d1<br>de.myview.objectmodel.impl.BlockImpl@4b39d4ab |

## Approvals

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <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

