

**HDC IP68 16B TOS 1M32**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

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

**Product image**


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: 6, Protection degree: IP66, IP68, in plugged condition, Plug housing, Clamping yoke connection, Standard, Size of cable entries: M 32 |
| Order No.  | <a href="#">1082710000</a>   |
| Type       | HDC IP68 16B TOS 1M32  |
| GTIN (EAN) | 4032248845729  |
| Qty.       | 1 items  |

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Height     | 111 mm | Height (inches) | 4.3701 inch |
| Width      | 58 mm  | Width (inches)  | 2.2835 inch |
| Net weight | 589 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**

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

**General data**

|                |                |                   |                                  |
|----------------|----------------|-------------------|----------------------------------|
| Surface finish | Powder coating | Protection degree | IP66, IP68, in plugged condition |
|----------------|----------------|-------------------|----------------------------------|

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## Technical data

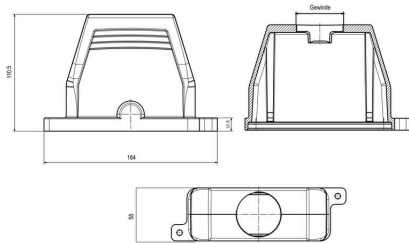
### Version

|                                |                          |                              |                          |
|--------------------------------|--------------------------|------------------------------|--------------------------|
| Number of cable glands         | 0                        | Size of cable entries        | M 32                     |
| Top part/bottom part/lid       | upper part               | Cover                        | without cover            |
| Tightening torque              | 6.5 Nm                   | Number of cable entry on top | 1                        |
| Number of cable entry sideways | 0                        | Design of housing            | Plug housing             |
| Design of locking system       | Clamping yoke connection | Design                       | Standard                 |
| Installation size              | 6                        | Cable entry                  | w. thread                |
| Type                           | Plug                     | Clamp version                | Clamping yoke connection |
| Sealing                        | no sealing               | Internal thread              | M 32                     |
| Colour (RAL)                   | RAL 9011, RAL 9005       | BG                           | 6                        |
| Suitable for ModuPlug®         | Yes                      |                              |                          |

### Classifications

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

**Drawing**



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## Accessories

### Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium-steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

### General ordering data

|            |                            |               |  |
|------------|----------------------------|---------------|--|
| Type       | SK WSD-S 1,5-10,0          | Version       |  |
| Order No.  | <a href="#">9008850000</a> | Mounting tool |  |
| GTIN (EAN) | 4032248266609              |               |  |
| Qty.       | 1 ST                       |               |  |

### Screws



We offer a variety of accessories, including screws, that fit to the heavy-duty connectors.

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | HDC IP68 SCREW SET         | Version  |  |
| Order No.  | <a href="#">2555340000</a> | Heavy-duty connectors, Accessories, Set of fixings |  |
| GTIN (EAN) | 4050118571332              |  |  |
| Qty.       | 10 ST                      |  |  |

### IP68 version



In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications. The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure. Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | VG M32 - MS 68             | Version   |  |
| Order No.  | <a href="#">1772240000</a> | VG MS (standard brass cable gland), Cable glands, straight, M 32, 9 mm, OD min. 13 - OD max. 18 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K, Brass, nickel-plated |  |
| GTIN (EAN) | 4032248129898              |   |  |
| Qty.       | 10 ST                      |   |  |

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## Accessories

### EMC Brass Cable Gland 4th Generation



The increasing sensitivity of electronic components and the increasing electromagnetic interference frequencies require cable glands to play an important role in the shielding concept of a system. This type of EMC cable glands are made for shielding against interference frequencies, with a 360° screening connection. A Finger-locking seal provides superior cable retention & strain relief, next to it, the cable gland meets the mechanical requirements of EN 62444. Due to the patented design a very easy and fast assembly will be possible.

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | VG M32 EMV-4 MS 16-25      | Version  |  |
| Order No.  | <a href="#">2435180000</a> | VG EMV GEN 4 (EMC cable gland with clamping cage), Cable glands, |  |
| GTIN (EAN) | 4050118446937              | straight, M 32, 9, OD min. 16 - OD max. 25 mm, IP54, IP66, IP67, |  |
| Qty.       | 10 ST                      | IP68 - 5 bar (30 min.), IP69K, Brass, nickel-plated              |  |