

HDC IP68 04A AWS 1M20**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: 1, Protection degree: IP66 (in plugged condition), IP68 (in plugged condition), Bulkhead housing, Clamping yoke connection, Standard, Size of cable entries: M 20 |
| Order No. | 1081480000 |
| Type | HDC IP68 04A AWS 1M20 |
| GTIN (EAN) | 4032248844227 |
| Qty. | 1 pc(s). |

Creation date June 5, 2024 2:44:12 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|-------|----------------------------|------------|
| Depth | 50 mm | Depth (inches) | 1.969 inch |
| Height | 44 mm | Height (inches) | 1.732 inch |
| Width | 67 mm | Width (inches) | 2.638 inch |
| Mounting dimension - height | 41 mm | Mounting dimension - width | 41 mm |
| Net weight | 135 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------------|-----------|----------------------|-------|
| Cable entry | w. thread | Height of housing B | 44 mm |
| Hole pitch length A2 | 41 mm | Total length housing | 50 mm |

General data

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

Version

| | | | |
|------------------------------|--------------------------|--------------------------------|-------------------------|
| BG | 1 | Cable entry | w. thread |
| Clamp version | Clamping yoke connection | Colour (RAL) | RAL 9011 |
| Design | Standard | Design of housing | Bulkhead housing |
| Design of locking system | Clamping yoke connection | Internal thread | M 20 |
| Number of cable entry on top | 0 | Number of cable entry sideways | 1 |
| Sealing | Silicone | Size | 1 |
| Size of cable entries | M 20 | Suitable for ModuPlug® | No |
| 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 |
| 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 |

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

Important note

Product information

When mounting the housings, make sure that the flat gasket is correctly seated.

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

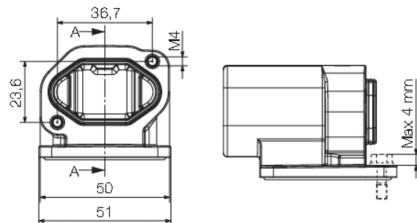
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Drawings



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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 04A IP68 | Version |
| Order No. | 1987460000 | Accessories, Enclosures accessories |
| GTIN (EAN) | 4050118379259 | |
| Qty. | 100 pc(s). | |

Flange 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 FLDG 04A AW IP68 | Version |
| Order No. | 1987470000 | Accessories, Enclosures accessories |
| GTIN (EAN) | 4050118379204 | |
| Qty. | 100 pc(s). | |