

**HDC 48B ALU****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**IP65**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.

The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection.

**General ordering data**

|            |                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Bulkhead housing, End-locking clamp, lower side, Standard, without cover |
| Order No.  | <a href="#">1295600000</a>                                                                                                                        |
| Type       | HDC 48B ALU                                                                                                                                       |
| GTIN (EAN) | 4050118092066                                                                                                                                     |
| Qty.       | 1 pc(s).                                                                                                                                          |

## HDC 48B ALU

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 168 mm  | Depth (inches)  | 6.614 inch |
| Height     | 42 mm   | Height (inches) | 1.654 inch |
| Width      | 97 mm   | Width (inches)  | 3.819 inch |
| Net weight | 506.6 g |                 |            |

## Temperatures

|                   |                   |
|-------------------|-------------------|
| Limit temperature | -40 °C ... 125 °C |
|-------------------|-------------------|

## Dimensions

|                      |        |                      |        |
|----------------------|--------|----------------------|--------|
| Height of base B1    | 7 mm   | Height of housing B  | 42 mm  |
| Hole pitch length A2 | 148 mm | Total length housing | 132 mm |
| Width base C1        | 97 mm  | Width housing C      | 90 mm  |

## General data

|                             |                             |                       |                                            |
|-----------------------------|-----------------------------|-----------------------|--------------------------------------------|
| EMC housings                | No                          | Housing main material | diecast aluminium                          |
| Material of locking element | Stainless steel, rust-proof | Protection class note | Protection class with secured cover: IP 65 |
| Protection degree           | IP65, in plugged condition  | Surface finish        | Powder coating                             |
| Tightening torque           | 1.2 Nm                      |                       |                                            |

## Version

|                          |                  |                          |                               |
|--------------------------|------------------|--------------------------|-------------------------------|
| BG                       | 12               | Clamp version            | End-locking clamp             |
| Colour (RAL)             | RAL 7035         | Cover                    | without cover                 |
| Design                   | Standard         | Design of cover          | without cover                 |
| Design of housing        | Bulkhead housing | Design of locking system | End-locking clamp, lower side |
| Sealing                  | NBR              | Size                     | 12                            |
| Suitable for ModuPlug®   | Yes              | Tightening torque        | 1.2 Nm                        |
| 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 |             |             |

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## Technical data

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319230/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/)

ROHS

Conform

UL File Number Search

UL Website

Certificate No. (cURus)

E92202

|                     |                         |
|---------------------|-------------------------|
| Substance           | Acetone                 |
| Chemical resistance | Conditionally resistant |
| Substance           | Drilling oil            |
| Chemical resistance | Resistant               |
| Substance           | Diesel                  |
| Chemical resistance | Resistant               |
| Substance           | Ethyl alcohol           |
| Chemical resistance | Resistant               |
| Substance           | Transmission oil        |
| Chemical resistance | Resistant               |
| Substance           | Hydraulic oil           |
| Chemical resistance | Resistant               |
| Substance           | Coolant                 |
| Chemical resistance | Resistant               |
| Substance           | Petroleum benzine       |
| Chemical resistance | Resistant               |
| Substance           | Sweat                   |
| Chemical resistance | Resistant               |
| Substance           | Premium gasoline        |
| Chemical resistance | Conditionally resistant |
| Substance           | Water                   |
| Chemical resistance | Resistant               |
| Substance           | UV                      |
| Chemical resistance | Unstable                |
| Substance           | Ozone                   |
| Chemical resistance | Unstable                |

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## Technical data

## Environmental Product Compliance

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS Compliance Status | Compliant without exemption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| REACH SVHC             | No SVHC above 0.1 wt%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Chemical resistance    | de.myview.objectmodel.impl.BlockImpl@50aef2d de.myview.objectmodel.impl.BlockImpl@647a8a34<br>de.myview.objectmodel.impl.BlockImpl@61db2ea9 de.myview.objectmodel.impl.BlockImpl@7714e1ca<br>de.myview.objectmodel.impl.BlockImpl@50643f92 de.myview.objectmodel.impl.BlockImpl@60ff2480<br>de.myview.objectmodel.impl.BlockImpl@5869e050 de.myview.objectmodel.impl.BlockImpl@8234026<br>de.myview.objectmodel.impl.BlockImpl@794a761f de.myview.objectmodel.impl.BlockImpl@60089692<br>de.myview.objectmodel.impl.BlockImpl@777491a3 de.myview.objectmodel.impl.BlockImpl@6544cd1b<br>de.myview.objectmodel.impl.BlockImpl@4f14b522 |

## Important note

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| Product information | When mounting the housings, make sure that the flat gasket is correctly seated. |
|---------------------|---------------------------------------------------------------------------------|

## Downloads

|                                             |                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Manufacturer's declaration</a>                                                                                 |
| Engineering Data                            | <a href="#">CAD data – STEP</a><br><a href="#">CAD data – DWG</a><br><a href="#">CAD data – DXF</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>                                                     |

## HDC 48B ALU

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## Accessories

## Hood, Cable Entry at top



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## General ordering data

|            |                            |                                                                                                                                 |
|------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Type       | HDC 48B TOLU 1M50G         | Version                                                                                                                         |
| Order No.  | <a href="#">1788330000</a> | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Cable entry from top, Plug housing, End-locking clamp, |
| GTIN (EAN) | 4032248205868              | lower side, Standard, Size of cable entries: M 50                                                                               |
| Qty.       | 1 pc(s).                   |                                                                                                                                 |
| Type       | HDC 48B TOLU 1PG29G        | Version                                                                                                                         |
| Order No.  | <a href="#">1650980000</a> | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Cable entry from top, Plug housing, End-locking clamp, |
| GTIN (EAN) | 4008190299606              | lower side, Standard, Size of cable entries: PG 29                                                                              |
| Qty.       | 1 pc(s).                   |                                                                                                                                 |
| Type       | HDC 48B TOLU 1PG36G        | Version                                                                                                                         |
| Order No.  | <a href="#">1651000000</a> | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Cable entry from top, Plug housing, End-locking clamp, |
| GTIN (EAN) | 4008190299620              | lower side, Standard, Size of cable entries: PG 36                                                                              |
| Qty.       | 1 pc(s).                   |                                                                                                                                 |
| Type       | HDC 48B TOLU 1M40G         | Version                                                                                                                         |
| Order No.  | <a href="#">1788340000</a> | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Cable entry from top, Plug housing, End-locking clamp, |
| GTIN (EAN) | 4032248205875              | lower side, Standard, Size of cable entries: M 40                                                                               |
| Qty.       | 1 pc(s).                   |                                                                                                                                 |
| Type       | HDC 48B TOLU 1M32G         | Version                                                                                                                         |
| Order No.  | <a href="#">1788350000</a> | HDC enclosures, Size: 12, Protection degree: IP65, in plugged condition, Cable entry from top, Plug housing, End-locking clamp, |
| GTIN (EAN) | 4032248205882              | lower side, Standard, Size of cable entries: M 32                                                                               |
| Qty.       | 1 pc(s).                   |                                                                                                                                 |

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