

HDC 16B ALU

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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: 6, Protection degree: IP65 (in plugged condition), Bulkhead housing, End-locking clamp, lower side, Standard |
| Order No. | 1209700000 |
| Type | HDC 16B ALU |
| GTIN (EAN) | 4008190000134 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|-------|----------------------------|------------|
| Height | 29 mm | Height (inches) | 1.142 inch |
| Width | 74 mm | Width (inches) | 2.913 inch |
| Mounting dimension - height | 32 mm | Mounting dimension - width | 103 mm |
| Net weight | 151 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------------|--------|----------------------|---------|
| Height of base B1 | 5 mm | Height of housing B | 30 mm |
| Hole pitch length A2 | 103 mm | Total length housing | 93.3 mm |
| Width base C1 | 47 mm | Width housing C | 43 mm |

General data

| | | | |
|-----------------------------|-----------------------------|-----------------------|-----------------------------|
| EMC housings | No | Housing main material | diecast aluminium |
| Material of locking element | Stainless steel, rust-proof | Protection degree | IP65 (in plugged condition) |
| Surface finish | Powder coating | | |

Version

| | | | |
|--------------------------|-------------------------------|------------------------|-------------------------|
| BG | 6 | Clamp version | End-locking clamp |
| Colour (RAL) | RAL 7035 | Cover | without cover |
| Design | Standard | Design of housing | Bulkhead housing |
| Design of locking system | End-locking clamp, lower side | Sealing | NBR |
| 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 |
| 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 | | |

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

Creation date November 26, 2024 11:53:34 AM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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| 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 |

Environmental Product Compliance

| | |
|--------------------------------------|--|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6bl |
| REACH SVHC | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | e98b2b24-ba23-41bf-8d19-0dda3647412f |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@569db188 de.myview.objectmodel.impl.BlockImpl@46ae4e39 de.myview.objectmodel.impl.BlockImpl@5b5b7d69 de.myview.objectmodel.impl.BlockImpl@35adad17 de.myview.objectmodel.impl.BlockImpl@e075bdb de.myview.objectmodel.impl.BlockImpl@3a6c03a4 de.myview.objectmodel.impl.BlockImpl@3a5c91b5 de.myview.objectmodel.impl.BlockImpl@624146fc de.myview.objectmodel.impl.BlockImpl@56ac00ec de.myview.objectmodel.impl.BlockImpl@c0748be de.myview.objectmodel.impl.BlockImpl@5208a1b2 de.myview.objectmodel.impl.BlockImpl@3a966ba9 de.myview.objectmodel.impl.BlockImpl@c8ba777 |

Important note

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

Approvals

| | |
|-------------------------|------------|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E92202 |

Data sheet**HDC 16B ALU**

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Technical data**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 |
| Technical Documentation | 1209700000 HDC 16B ALU STP Blatt 1.pdf |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

Data sheet

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Drawings

