

**HDC 16D SDLU 1M25G****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: 3, Protection degree: IP65 (in plugged condition), Base housing, End-locking clamp, lower side, high, with cover, Size of cable entries: M 25 |
| Order No.  | <a href="#">1900820000</a>                                                                                                                                          |
| Type       | HDC 16D SDLU 1M25G                                                                                                                                                  |
| GTIN (EAN) | 403224852 1098                                                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                                                            |

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## Technical data

## Dimensions and weights

|                             |         |                            |            |
|-----------------------------|---------|----------------------------|------------|
| Height                      | 92 mm   | Height (inches)            | 3.622 inch |
| Width                       | 92.5 mm | Width (inches)             | 3.642 inch |
| Mounting dimension - height | 45 mm   | Mounting dimension - width | 70 mm      |
| Net weight                  | 374 g   |                            |            |

## Temperatures

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

## Dimensions

|                      |           |                      |         |
|----------------------|-----------|----------------------|---------|
| Cable entry          | w. thread | Height of base B1    | 5 mm    |
| Height of housing B  | 74 mm     | Hole pitch length A2 | 70 mm   |
| Total length housing | 60 mm     | Width base C1        | 54.5 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 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                           | 3                             | Cable entry                    | w. thread    |
| Clamp version                | End-locking clamp             | Colour (RAL)                   | RAL 7035     |
| Cover                        | with cover                    | Design                         | high         |
| Design of cover              | with cover                    | Design of housing              | Base housing |
| Design of locking system     | End-locking clamp, lower side | Internal thread                | M 25         |
| Number of cable entry on top | 0                             | Number of cable entry sideways | 1            |
| Sealing                      | NBR                           | Size                           | 3            |
| Size of cable entries        | M 25                          | Suitable for ModuPlug®         | Yes          |
| Tightening torque            | 1.2 Nm                        | Top part/bottom part/lid       | lower part   |
| Type                         | Base housing                  |                                |              |

## 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 | Conditionally resistant |
| Substance           | Drilling oil            |
| Chemical resistance | Resistant               |

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

**Environmental Product Compliance**

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RoHS Compliance Status | Compliant without exemption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| REACH SVHC             | Potassium perfluorobutane sulfonate 29420-49-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SCIP                   | e98b2b24-ba23-41bf-8d19-0dda3647412f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Chemical resistance    | de.myview.objectmodel.impl.BlockImpl@14ce2d2 de.myview.objectmodel.impl.BlockImpl@2b3049f<br>de.myview.objectmodel.impl.BlockImpl@30f01806 de.myview.objectmodel.impl.BlockImpl@43cbff29<br>de.myview.objectmodel.impl.BlockImpl@25f7dff0 de.myview.objectmodel.impl.BlockImpl@3f7ab02d<br>de.myview.objectmodel.impl.BlockImpl@ffaafec de.myview.objectmodel.impl.BlockImpl@13d43b8d<br>de.myview.objectmodel.impl.BlockImpl@8477e58 de.myview.objectmodel.impl.BlockImpl@62565ca5<br>de.myview.objectmodel.impl.BlockImpl@38890acc de.myview.objectmodel.impl.BlockImpl@ab34603<br>de.myview.objectmodel.impl.BlockImpl@39355cb3 |

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (cURus) | E92202                                                                                                                                                                                                                                                                                                                                                  |

Creation date June 12, 2025 3:42:41 PM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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### Downloads

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

