

**HDC 16B SDBO 2M25G****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: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on upper side, Standard, with cover, Size of cable entries: M 25 |
| Order No.  | <a href="#">1788260000</a>                                                                                                                                                 |
| Type       | HDC 16B SDBO 2M25G                                                                                                                                                         |
| GTIN (EAN) | 4032248205790                                                                                                                                                              |
| Qty.       | 1 pc(s).                                                                                                                                                                   |

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**Technical data****Dimensions and weights**

|                             |         |                            |            |
|-----------------------------|---------|----------------------------|------------|
| Height                      | 82 mm   | Height (inches)            | 3.228 inch |
| Width                       | 77.5 mm | Width (inches)             | 3.051 inch |
| Mounting dimension - height | 45 mm   | Mounting dimension - width | 105 mm     |
| Net weight                  | 383 g   |                            |            |

**Temperatures**

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

**Dimensions**

|                      |           |                      |         |
|----------------------|-----------|----------------------|---------|
| Cable entry          | w. thread | Height of base B1    | 5 mm    |
| Height of housing B  | 64 mm     | Hole pitch length A2 | 105 mm  |
| Total length housing | 93.3 mm   | Width base C1        | 56.5 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 for this version of cover: IP20 |
| Protection degree           | IP65 (in plugged condition) | Surface finish        | Powder coating                                   |

**Version**

|                              |                                  |                                |              |
|------------------------------|----------------------------------|--------------------------------|--------------|
| BG                           | 6                                | Cable entry                    | w. thread    |
| Clamp version                | Side-locking clamp               | Colour (RAL)                   | RAL 7035     |
| Cover                        | with cover                       | Design                         | Standard     |
| Design of cover              | with cover                       | Design of housing              | Base housing |
| Design of locking system     | Side-locking clamp on upper side | Internal thread                | M 25         |
| Number of cable entry on top | 0                                | Number of cable entry sideways | 2            |
| Sealing                      | NBR                              | Size                           | 6            |
| Size of cable entries        | M 25                             | Suitable for ModuPlug®         | No           |
| 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               |
| Substance           | Diesel                  |
| Chemical resistance | Resistant               |

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**Technical data**

|                     |                         |
|---------------------|-------------------------|
| 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-Odda3647412f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Chemical resistance    | de.myview.objectmodel.impl.BlockImpl@5ee68e6b de.myview.objectmodel.impl.BlockImpl@72f5dbcb<br>de.myview.objectmodel.impl.BlockImpl@597491e0 de.myview.objectmodel.impl.BlockImpl@6bd4f158<br>de.myview.objectmodel.impl.BlockImpl@12baf9f de.myview.objectmodel.impl.BlockImpl@5d5c17f2<br>de.myview.objectmodel.impl.BlockImpl@20da6628 de.myview.objectmodel.impl.BlockImpl@6cc81d5a<br>de.myview.objectmodel.impl.BlockImpl@3043000b de.myview.objectmodel.impl.BlockImpl@d9d6276<br>de.myview.objectmodel.impl.BlockImpl@7e05aebc de.myview.objectmodel.impl.BlockImpl@528b4e9c<br>de.myview.objectmodel.impl.BlockImpl@7ae04f9e |

**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                                                                                                                                                                                                                                                                                                                                                  |

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Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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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

[1788260000 HDC\\_16B\\_SDBO\\_2M25G\\_STP\\_Blatt\\_1.pdf](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

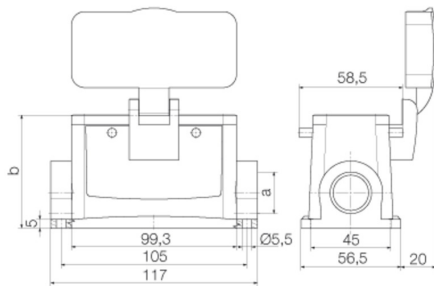
[FL FIELDWIRING EN](#)

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## Drawings



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

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|            |                            |                                                                                                                                                      |
|------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | HDC 16B DODQ 2QB           | Version                                                                                                                                              |
| Order No.  | <a href="#">1009090000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cover for lower part of housing, Side-locking clamp on upper side, Standard |
| GTIN (EAN) | 4032248713837              |                                                                                                                                                      |
| Qty.       | 1 pc(s).                   |                                                                                                                                                      |