

HDC 10B SDBO 2PG16G

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: 4, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on upper side, Standard, with cover, Size of cable entries: PG 16 |
| Order No. | 1655000000 |
| Type | HDC 10B SDBO 2PG16G |
| GTIN (EAN) | 4008190408008 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|---------|----------------------------|------------|
| Height | 79.5 mm | Height (inches) | 3.13 inch |
| Width | 77.2 mm | Width (inches) | 3.039 inch |
| Mounting dimension - height | 40 mm | Mounting dimension - width | 82 mm |
| Net weight | 286 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------------|-----------|----------------------|---------|
| Cable entry | w. thread | Height of base B1 | 5 mm |
| Height of housing B | 57 mm | Hole pitch length A2 | 82 mm |
| Total length housing | 73 mm | Width base C1 | 53.5 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 | 4 | 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 | PG 16 |
| Number of cable entry on top | 0 | Number of cable entry sideways | 2 |
| Sealing | NBR | Size | 4 |
| Size of cable entries | PG 16 | 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 | 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 |

| | |
|---------------------|-------------------------|
| Substance | Acetone |
| Chemical resistance | Conditionally resistant |
| Substance | Drilling oil |
| Chemical resistance | Resistant |
| Substance | Diesel |
| Chemical resistance | Resistant |
| Substance | Ethyl alcohol |
| Chemical resistance | Resistant |

Creation date February 20, 2023 1:55:04 PM CET

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

| | |
|---------------------|---|
| 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@98b58e0 de.myview.objectmodel.impl.BlockImpl@5dd54937 de.myview.objectmodel.impl.BlockImpl@628f8012 de.myview.objectmodel.impl.BlockImpl@546b64ca de.myview.objectmodel.impl.BlockImpl@7747aff de.myview.objectmodel.impl.BlockImpl@709f17d7 de.myview.objectmodel.impl.BlockImpl@6e8e86c6 de.myview.objectmodel.impl.BlockImpl@61cce2e9 de.myview.objectmodel.impl.BlockImpl@45cbdfad de.myview.objectmodel.impl.BlockImpl@4d62596c de.myview.objectmodel.impl.BlockImpl@57404eb0 de.myview.objectmodel.impl.BlockImpl@511d351b de.myview.objectmodel.impl.BlockImpl@4a30ae22 |

Approvals

Approvals



ROHS

Conform

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www.weidmueller.com**Technical data****Downloads**Approval/Certificate/Document of
Conformity[Manufacturer's declaration](#)

Engineering Data

[CAD data – STEP](#)

Engineering Data

[WSCAD](#)

Product Change Notification

[20220214 Technical change to HDC housings](#)[20220214 Technische Änderung bei HDC-Gehäusen](#)

Technical Documentation

[1655000000_HDC_10B_SDBO_2PG16G_STP_Blatt_1.pdf](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)[FL FIELDWIRING EN](#)

Data sheet

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Drawings

