

HDC 10B SDBO 1M20G

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: M 20 |
| Order No. | 1901490000 |
| Type | HDC 10B SDBO 1M20G |
| GTIN (EAN) | 403224858825 1 |
| 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 | 296 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | e98b2b24-ba23-41bf-8d19-0dda3647412f |

| | | |
|---------------------|---------------------|-------------------------|
| Chemical resistance | 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 | |

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 |

Creation date September 16, 2022 9:13:14 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data

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 | M 20 |
| Number of cable entry on top | 0 | Number of cable entry sideways | 1 |
| Sealing | NBR | Size | 4 |
| Size of cable entries | M 20 | 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 |

Approvals

Approvals



ROHS

Conform

Downloads

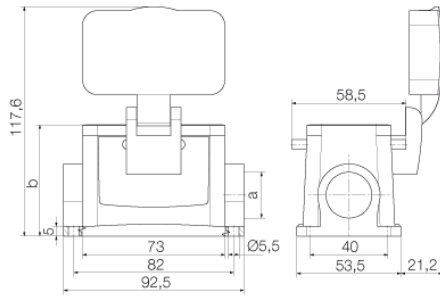
| | |
|-----------------------------|--|
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD |
| Product Change Notification | 20220214 Technical change to HDC housings 20220214 Technische Änderung bei HDC-Gehäusen |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings



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