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# HDC 10B DMDQ 4BO

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), Cover for upper part of housing, Side-locking clamp on upper side, Standard |
| Order No. | 1665250000 |
| Type | HDC 10B DMDQ 4BO |
| GTIN (EAN) | 4008190421953 |
| Qty. | 1 pc(s). |

# HDC 10B DMDQ 4BO

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Height | 18 mm | Height (inches) | 0.709 inch |
| Width | 58.5 mm | Width (inches) | 2.303 inch |
| Net weight | 64 g | | |

### Temperatures

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

### Dimensions

| | | | |
|---|---|---|---|
| Cable entry | For hoods | Height of housing B | 18 mm |
| Total length housing | 73 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 | 4 | Cable entry | For hoods |
| Clamp version | Side-locking clamp | Colour (RAL) | RAL 7035 |
| Design | Standard | Design of housing | Cover for upper part of housing |
| Design of locking system | Side-locking clamp on upper side | Sealing | NBR |
| Size | 4 | Suitable for ModuPlug® | Yes |
| Top part/bottom part/lid | Cover | Type | Cover |

### 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 |

| 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 |

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# HDC 10B DMDQ 4BO

## Technical data

| | |
|---|---|
| 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 |
| SCIP | d447edfa-0214-4f34-b5ba-82eae491b46a |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@766e41d3 de.myview.objectmodel.impl.BlockImpl@4f11ef59 de.myview.objectmodel.impl.BlockImpl@73f3608e de.myview.objectmodel.impl.BlockImpl@745ae2fa de.myview.objectmodel.impl.BlockImpl@703e557b de.myview.objectmodel.impl.BlockImpl@30951702 de.myview.objectmodel.impl.BlockImpl@580ae68e de.myview.objectmodel.impl.BlockImpl@7be48247 de.myview.objectmodel.impl.BlockImpl@79f395cd de.myview.objectmodel.impl.BlockImpl@61c6a0f6 de.myview.objectmodel.impl.BlockImpl@6e7714d6 de.myview.objectmodel.impl.BlockImpl@31de55e5 de.myview.objectmodel.impl.BlockImpl@54e6f3ee |

**Approvals**

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

**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 | 1665250000_HDC_10B_DMDQ_4BO_STP_Blatt__1.pdf |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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## HDC 10B DMDQ 4BO

**Drawings**
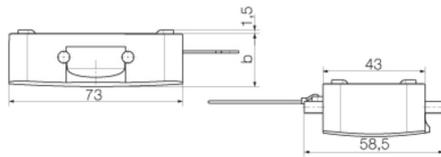
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## HDC 10B DMDQ 4BO

## Accessories

### Plug housing, cable entry sideways

The new RockStar® enclosures are resistant to seawater and offer a high degree of shock resistance, meet IP 68 and IP 69K, and have been developed for use under extreme environmental conditions and designed for the high vibration requirements acc. to DIN EN 61373 cat. 2 (bogie). As such, this housing family is ideally suited for fault- and maintenance-free operation of heavy-duty connectors in transport and traffic engineering as well as in power engineering and in applications with extreme requirements. During development, measures were also implemented to make the enclosures extremely EMC-resistant.

#### General ordering data

| Type | HDC 10B TSBO 1M20G | Version |
|------|--------------------|---------|
| Order No. | 2498220000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4050118514049 | condition), IP68 (in plugged condition), Cable entry from side, Plug |
| Qty. | 1 pc(s). | housing, Side-locking clamp on upper side, Standard, Size of cable |
| | | entries: M 20 |

### Hood, Cable Entry sideways

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#### General ordering data

| Type | HDC 24D TSBO 1M25G | Version |
|------|--------------------|---------|
| Order No. | 1787260000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248204601 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, high, Size of cable entries: M 25 |
| Type | HDC 10B TSBO 1PG16G | Version |
| Order No. | 1654750000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190407759 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, Standard, Size of cable entries: PG 16 |

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## HDC 10B DMDQ 4BO

## Accessories

| Type | HDC 24D TSBO 1PG16G | Version |
|---|---|---|
| Order No. | 1654810000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190407810 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, high, Size of cable entries: PG 16 |
| Type | HDC 24D TSBO 1PG21G | Version |
| Order No. | 1654790000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190407797 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, high, Size of cable entries: PG 21 |
| Type | HDC 10B TSBO 1M25G | Version |
| Order No. | 1787570000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248204915 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, Standard, Size of cable entries: M 25 |
| Type | HDC 24D TSBO 1M32G | Version |
| Order No. | 1787250000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248204595 | condition), Cable entry from side, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, high, Size of cable entries: M 32 |

### Hood, Cable Entry at top



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### General ordering data

| Type | HDC 10B TOBO 1PG16G | Version |
|---|---|---|
| Order No. | 1654860000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190407865 | condition), Cable entry from top, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, Standard, Size of cable entries: PG 16 |
| Type | HDC 24D TOBO 1PG29G | Version |
| Order No. | 1654920000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190407926 | condition), Cable entry from top, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, high, Size of cable entries: PG 29 |
| Type | HDC 10B TOBO 1M25G | Version |
| Order No. | 1787610000 | HDC enclosures, Size: 4, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248204953 | condition), Cable entry from top, Plug housing, Side-locking clamp on |
| Qty. | 1 pc(s). | upper side, Standard, Size of cable entries: M 25 |

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