

HDC 10A TOLU 1M20G**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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: 2, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, End-locking clamp, lower side, Standard, Size of cable entries: M 20 |
| Order No. | 1788620000 |
| Type | HDC 10A TOLU 1M20G |
| GTIN (EAN) | 4032248206162 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Depth | 72.5 mm | Depth (inches) | 2.854 inch |
| Height | 54 mm | Height (inches) | 2.126 inch |
| Width | 32.5 mm | Width (inches) | 1.28 inch |
| Net weight | 103 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------------|-----------|---------------------|---------|
| Cable entry | w. thread | Height of housing B | 54 mm |
| Total length housing | 63 mm | Width housing C | 29.5 mm |

General data

| | | | |
|-----------------------------|-----------------------------|-----------------------|-----------------------------|
| EMC housings | No | Housing main material | diecast aluminium |
| Material of locking element | | Protection degree | IP65 (in plugged condition) |
| | Stainless steel, rust-proof | | |
| Surface finish | Powder coating | Tightening torque | 0.5 Nm |

Version

| | | | |
|------------------------------|-------------------------------|--------------------------------|------------------------------------|
| BG | 2 | Cable entry | w. thread |
| Clamp version | End-locking clamp | Colour (RAL) | RAL 7035 |
| Design | | Design of housing | Cable entry from top, Plug housing |
| | Standard | | |
| Design of locking system | End-locking clamp, lower side | Internal thread | M 20 |
| Number of cable entry on top | 1 | Number of cable entry sideways | 0 |
| Sealing | NBR | Size | 2 |
| Size of cable entries | M 20 | Suitable for ModuPlug® | No |
| Tightening torque | 0.5 Nm | Top part/bottom part/lid | upper part |
| Type | Plug | | |

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 |
| ECLASS 14.0 | 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 |

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Technical data

| | |
|---------------------|-------------------------|
| 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 |
| SCIP | d447edfa-0214-4f34-b5ba-82eae491b46a |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@7313c12f de.myview.objectmodel.impl.BlockImpl@5ebb43d2 de.myview.objectmodel.impl.BlockImpl@4add9f38 de.myview.objectmodel.impl.BlockImpl@1460593 de.myview.objectmodel.impl.BlockImpl@6c31a62d de.myview.objectmodel.impl.BlockImpl@6810ddaa de.myview.objectmodel.impl.BlockImpl@4e12bbcf de.myview.objectmodel.impl.BlockImpl@7f495503 de.myview.objectmodel.impl.BlockImpl@1ea88409 de.myview.objectmodel.impl.BlockImpl@703bf7fb de.myview.objectmodel.impl.BlockImpl@2bac6f0 de.myview.objectmodel.impl.BlockImpl@1ef85fcb de.myview.objectmodel.impl.BlockImpl@442a08d1 |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6bl |

Approvals

Approvals



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

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Technical data

Downloads

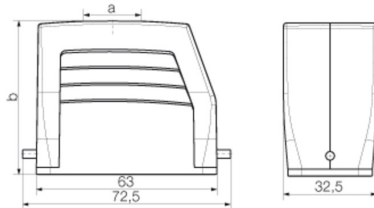
| | |
|-----------------------------|--|
| Engineering Data | CAD data – STEP |
| Product Change Notification | 20220214 Technical change to HDC housings 20220214 Technische Änderung bei HDC-Gehäusen |
| Technical Documentation | 1788620000 HDC_10A_TOLU_1M20G_STP_Blatt_1.pdf |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings



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www.weidmueller.com**Accessories****Cover**

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC 10A DODL 1LB | Version |
| Order No. | 1665890000 | HDC enclosures, Size: 2, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190422929 | condition), Cover for upper part of housing, End-locking clamp, lower |
| Qty. | 1 pc(s). | side, Standard |