

HDC 16B SBU 1PG21G**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: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 21 |
| Order No. | 1656720000 |
| Type | HDC 16B SBU 1PG21G |
| GTIN (EAN) | 4008190409739 |
| Qty. | 1 pc(s). |

HDC 16B SBU 1PG21G

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|---------|----------------------------|------------|
| Height | 64 mm | Height (inches) | 2.52 inch |
| Width | 56.5 mm | Width (inches) | 2.224 inch |
| Mounting dimension - height | 45 mm | Mounting dimension - width | 105 mm |
| Net weight | 366 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 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 |
| Design | Standard | Design of housing | Base housing |
| Design of locking system | Side-locking clamp on lower side | Internal thread | PG 21 |
| Number of cable entry on top | 0 | Number of cable entry sideways | 1 |
| Sealing | NBR | Size | 6 |
| Size of cable entries | PG 21 | 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 |
| 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 |

Creation date October 4, 2024 12:22:57 PM CEST

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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 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | e98b2b24-ba23-41bf-8d19-0dda3647412f |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@15a1c274 de.myview.objectmodel.impl.BlockImpl@69ccdc de.myview.objectmodel.impl.BlockImpl@2b4f3c5f de.myview.objectmodel.impl.BlockImpl@611b5713 de.myview.objectmodel.impl.BlockImpl@7a328b26 de.myview.objectmodel.impl.BlockImpl@75978280 de.myview.objectmodel.impl.BlockImpl@27e8e5a9 de.myview.objectmodel.impl.BlockImpl@1cf09d88 de.myview.objectmodel.impl.BlockImpl@72f54e8b de.myview.objectmodel.impl.BlockImpl@3bbf41d7 de.myview.objectmodel.impl.BlockImpl@5b9a3ea4 de.myview.objectmodel.impl.BlockImpl@431ef482 de.myview.objectmodel.impl.BlockImpl@1b477b7c |
| 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

Approval/Certificate/Document of Con-
formity

[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

[1656720000 HDC_16B_SBU_1PG21G_STP_Blatt_1.pdf](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

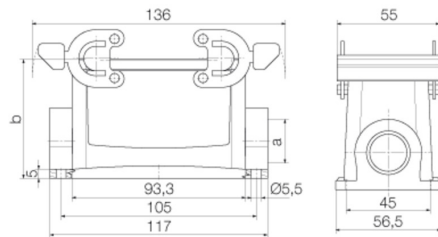
[FL FIELDWIRING EN](#)

HDC 16B SBU 1PG21G

Weidmüller Interface GmbH & Co. KG
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Drawings



HDC 16B SBU 1PG21G

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Accessories

Hood, Cable Entry sideways



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Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | HDC 40D TSBU 1M32G | Version |
| Order No. | 1787000000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 32 |
| GTIN (EAN) | 4032248204243 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TSBU 1PG21G | Version |
| Order No. | 1656520000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21 |
| GTIN (EAN) | 4008190409531 | |
| Qty. | 1 pc(s). | |
| Type | HDC 16B TSBU 1M40G | Version |
| Order No. | 1809620000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: M 40 |
| GTIN (EAN) | 4032248284979 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TSBU 1M40G | Version |
| Order No. | 1904800000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 40 |
| GTIN (EAN) | 4032248521852 | |
| Qty. | 1 pc(s). | |
| Type | HDC 16B TSBU 1PG21G | Version |
| Order No. | 1656480000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 21 |
| GTIN (EAN) | 4008190409494 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TSBU 1M25G | Version |
| Order No. | 1787010000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 25 |
| GTIN (EAN) | 4032248204250 | |
| Qty. | 1 pc(s). | |
| Type | HDC 16B TSBU 1M25G | Version |
| Order No. | 1788180000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: M 25 |
| GTIN (EAN) | 4032248205714 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TSBU 1PG29G | Version |
| Order No. | 1656540000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29 |
| GTIN (EAN) | 4008190409555 | |
| Qty. | 1 pc(s). | |

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Accessories

Hood, Cable Entry at top



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General ordering data

| | | |
|------------|----------------------------|--|
| Type | HDC 16B TOBU 1PG21G | Version |
| Order No. | 1656590000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 21 |
| GTIN (EAN) | 4008190409609 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TOBU 2M25 | Version |
| Order No. | 1208380000 | HDC enclosures, Size: 6, Protection degree: IP65, IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 25 |
| GTIN (EAN) | 4032248100248 | |
| Qty. | 1 pc(s). | |
| Type | HDC 16B TOBU 1M25G | Version |
| Order No. | 1788210000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: M 25 |
| GTIN (EAN) | 4032248205745 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TOBU 1PG29G | Version |
| Order No. | 1656650000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29 |
| GTIN (EAN) | 4008190409661 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TOBU 1M25G | Version |
| Order No. | 1787070000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 25 |
| GTIN (EAN) | 4032248204410 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TOBU 1PG21G | Version |
| Order No. | 1656630000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21 |
| GTIN (EAN) | 4008190409647 | |
| Qty. | 1 pc(s). | |
| Type | HDC 40D TOBU 1M32G | Version |
| Order No. | 1787060000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, high, Size of cable entries: M 32 |
| GTIN (EAN) | 4032248204304 | |
| Qty. | 1 pc(s). | |

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

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| | | |
|------------|----------------------------|--|
| Type | HDC 16B DODQ 4B0 | Version |
| Order No. | 1665260000 | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cover for lower part of housing, Side-locking clamp on lower side, Standard |
| GTIN (EAN) | 4008190421960 | |
| Qty. | 1 pc(s). | |