

HDC HQP TOLU 1PG16**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. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

General ordering data

| | |
|------------|--|
| Version | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 16 |
| Order No. | 1003070000 |
| Type | HDC HQP TOLU 1PG16 |
| GTIN (EAN) | 4032248698004 |
| Qty. | 1 pc(s). |

HDC HQP TOLU 1PG16

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 48 mm | Depth (inches) | 1.89 inch |
| Height | 67 mm | Height (inches) | 2.638 inch |
| Width | 35 mm | Width (inches) | 1.378 inch |
| Net weight | 27 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------------|-----------|---------------------|---------|
| Cable entry | w. thread | Height of housing B | 67 mm |
| Total length housing | 48 mm | Width housing C | 28.8 mm |

General data

| | | | |
|---------------------------|-----------------------------|-----------------------|---------|
| EMC housings | No | Housing main material | Plastic |
| Protection degree | IP65 (in plugged condition) | Series | HQ |
| UL 94 flammability rating | V-0 | | |

Version

| | | | |
|------------------------------|----------------------------------|--------------------------------|------------------------------------|
| BG | HQ | Cable entry | w. thread |
| Clamp version | Side-locking clamp | Colour (RAL) | RAL 1001 |
| Design | Standard | Design of housing | Cable entry from top, Plug housing |
| Design of locking system | Side-locking clamp on lower side | External thread | PG 16 |
| Number of cable entry on top | 1 | Number of cable entry sideways | 0 |
| Size | HQ | Size of cable entries | PG 16 |
| Suitable for ModuPlug® | No | 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 |

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

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| | |
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| 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 | Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | 2f94735a-9fba-4903-842f-4fb9aa902310 |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@1fd831e0 de.myview.objectmodel.impl.BlockImpl@2aac65fa de.myview.objectmodel.impl.BlockImpl@463fad4a de.myview.objectmodel.impl.BlockImpl@6cfc8717 de.myview.objectmodel.impl.BlockImpl@3275fc59 de.myview.objectmodel.impl.BlockImpl@7b3fcc58 de.myview.objectmodel.impl.BlockImpl@40517b88 de.myview.objectmodel.impl.BlockImpl@489d98aa de.myview.objectmodel.impl.BlockImpl@559722d4 de.myview.objectmodel.impl.BlockImpl@50cf7932 de.myview.objectmodel.impl.BlockImpl@1b09c598 de.myview.objectmodel.impl.BlockImpl@3f75569b de.myview.objectmodel.impl.BlockImpl@53185223 |
| RoHS Compliance Status | Compliant without exemption |

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 Conformity

[Manufacturer's declaration](#)

Engineering Data

[CAD data – STEP](#)

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](#)

HDC HQP TOLU 1PG16**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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www.weidmueller.com**Accessories****Angled bulkhead housing**

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. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

General ordering data

| Type | HDC HQP AWLU | Version |
|------------|----------------------------|---|
| Order No. | 1003060000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248697991 | Standard |
| Qty. | 1 pc(s). | |

Bulkhead housing

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General ordering data

| Type | HDC HQP ALU | Version |
|------------|----------------------------|---|
| Order No. | 1003040000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248697977 | Standard |
| Qty. | 1 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|--|
| Type | HDC HQP ALU CS | Version |
| Order No. | 1354950000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard |
| GTIN (EAN) | 4050118157215 | |
| Qty. | 1 pc(s). | |

4/2-pole



The HQ series - big features in a compact design. The electrical characteristics speak for themselves. You can also use the proven HD and HX crimp contacts here. The wire connection level is designed for crimp contacts. The proven crimp connection has been in standard use for decades.

Crimp contacts are not included in the scope of delivery of inserts.

Pole count: **4/2 (+PE)**

Rated current: **40/10 A**

Rated voltage: **690 / 250 V**

Rated voltage acc. to UL/CSA: **600 V AC/DC**

Crimp connection

General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC HQ 4/2 FC | Version |
| Order No. | 1003160000 | HDC insert, Female, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ |
| GTIN (EAN) | 4032248698158 | |
| Qty. | 1 pc(s). | |
| Type | HDC HQ 4/2 MC | Version |
| Order No. | 1003170000 | HDC insert, Male, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ |
| GTIN (EAN) | 4032248698165 | |
| Qty. | 1 pc(s). | |

8-pole



A small size but quite big. The electrical values speak for themselves. Proven HE crimp contacts can also be used here.

Pole count: **8 (+PE)**

Rated current: **16 A**

Rated voltage: **500 V**

Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Crimp connection

General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC HQ 8 FC | Version |
| Order No. | 1919980000 | HDC insert, Female, 500 V, 16 A, Number of poles: 8, Crimp connection, Size: HQ |
| GTIN (EAN) | 403224857950 | |
| Qty. | 1 pc(s). | |
| Type | HDC HQ 8 MC | Version |
| Order No. | 1919970000 | HDC insert, Male, 500 V, 16 A, Number of poles: 8, Crimp connection, Size: HQ |
| GTIN (EAN) | 403224857943 | |
| Qty. | 1 pc(s). | |

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Accessories

HQ version for HDC



In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications.

The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure.

Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | VG 16 HQ K68 11.5-15.5 | Version |
| Order No. | 1016080000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4032248725533 | |
| Qty. | 1 pc(s). | |
| Type | VG 16 HQ K68 6.5-9.5 | Version |
| Order No. | 1273890000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4050118063233 | |
| Qty. | 1 pc(s). | |
| Type | VG16 HQ K68 9-12SH | Version |
| Order No. | 1045530000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4032248779437 | |
| Qty. | 50 pc(s). | |
| Type | VG 16 HQ K68 4-6.5 | Version |
| Order No. | 2715990000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4050118769821 | |
| Qty. | 1 pc(s). | |
| Type | VG16 HQ K68 11,5-15,5SH | Version |
| Order No. | 1045540000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4032248779444 | |
| Qty. | 1 pc(s). | |
| Type | VG 16 HQ K68 9-13 | Version |
| Order No. | 1016070000 | Heavy-duty connectors, Accessories, Cable glands, Polycarbonate |
| GTIN (EAN) | 4032248725526 | |
| Qty. | 1 pc(s). | |

HDC HQP TOLU 1PG16

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Accessories

17-pole



The HQ series - big features in a compact design The electrical values speak for themselves. The standard HE crimp contacts can also be used here.

The wire connection level is designed as a crimp contact The established crimp connection has been used as a standard for decades.

Crimp contacts are not delivered with the inserts.

Pole count: 17 (+PE)

Rated current: **10 A**

Rated voltage **250 V**

Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Crimp connection

General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC HQ 17 FC | Version |
| Order No. | 1003200000 | HDC insert, Female, 250 V, 10 A, Number of poles: 17, Crimp |
| GTIN (EAN) | 4032248698196 | connection, Size: HQ |
| Qty. | 1 pc(s). | |
| Type | HDC HQ 17 MC | Version |
| Order No. | 1003210000 | HDC insert, Male, 250 V, 10 A, Number of poles: 17, Crimp |
| GTIN (EAN) | 4032248698202 | connection, Size: HQ |
| Qty. | 1 pc(s). | |

Base housing



The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC HQP SLU 1PG16 | Version |
| Order No. | 1003110000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248698042 | condition), Base housing, Side-locking clamp on lower side, Standard, |
| Qty. | 1 pc(s). | Size of cable entries: PG 16 |

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www.weidmueller.com**Accessories****Coupling housing**

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General ordering data

| Type | HDC HQP KOLU 1PG16 | Version |
|------------|----------------------------|---|
| Order No. | 1003120000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248698059 | Standard, Size of cable entries: PG 16 |
| Qty. | 1 pc(s). | |

Bulkhead housing

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General ordering data

| Type | HDC HQM ALU CS | Version |
|------------|----------------------------|---|
| Order No. | 1251680000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4050118051803 | Standard |
| Qty. | 1 pc(s). | |

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www.weidmueller.com**Accessories**

| | | |
|------------|----------------------------|---|
| Type | HDC HQM ALU | Version |
| Order No. | 1003050000 | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248697984 | condition), Bulkhead housing, Side-locking clamp on lower side, |
| Qty. | 1 pc(s). | Standard |