

## HDC HQM TOLU 1PG21

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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. 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 21
Order No.	<a href="#">1003080000</a>
Type	HDC HQM TOLU 1PG21
GTIN (EAN)	4032248698011
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	50 mm	Depth (inches)	1.969 inch
Height	78 mm	Height (inches)	3.071 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	180 g		

## Temperatures

Limit temperature	-40 °C ... 125 °C
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## Dimensions

Cable entry	w. thread	Height of housing B	78 mm
Total length housing	50 mm	Width housing C	29 mm

## General data

EMC housings	Yes	Housing main material	Zinc diecast
Protection degree	IP65 (in plugged condition)	Series	HQ
Surface finish	nickel-plated		

## Version

BG	HQ	Cable entry	w. thread
Clamp version	Side-locking clamp	Colour (RAL)	RAL 7001
Design	Standard	Design of housing	Cable entry from top, Plug housing
Design of locking system	Side-locking clamp on lower side	External thread	PG 21
Number of cable entry on top	1	Number of cable entry sideways	0
Size	HQ	Size of cable entries	PG 21
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

Creation date May 23, 2024 5:07:55 AM CEST

Catalogue status 18.05.2024 / We reserve the right to make technical changes.

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## Technical data

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@5ae958f0 de.myview.objectmodel.impl.BlockImpl@3eda93 de.myview.objectmodel.impl.BlockImpl@3fe68099 de.myview.objectmodel.impl.BlockImpl@474a0960 de.myview.objectmodel.impl.BlockImpl@57f4f7a1 de.myview.objectmodel.impl.BlockImpl@21e8458e de.myview.objectmodel.impl.BlockImpl@2a01eb62 de.myview.objectmodel.impl.BlockImpl@3d17e64b de.myview.objectmodel.impl.BlockImpl@4d2e57b7 de.myview.objectmodel.impl.BlockImpl@2e89afa9 de.myview.objectmodel.impl.BlockImpl@bf60be1 de.myview.objectmodel.impl.BlockImpl@951916a de.myview.objectmodel.impl.BlockImpl@36fdcf18

## Important note

Product information	The HQ metal housings have an internal plastic insert which ensures that the electrical conductor is not directly connected to the metal housing. The housing is therefore insulated.
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## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

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**Technical data****Downloads**

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Approval/Certificate/Document of Conformity	<a href="#">Manufacturer's declaration</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">20220214 Technical change to HDC housings</a> <a href="#">20220214 Technische Änderung bei HDC-Gehäusen</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

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## Accessories

### EMC Brass half gland HQ version for HDC



The increasing sensitivity of electronic components and the increasing electromagnetic interference frequencies require cable glands to play an important role in the shielding concept of a system. This type of EMC cable glands are made for shielding against interference frequencies, with a 360° screening connection. A Finger-locking seal provides superior cable retention & strain relief, next to it, the cable gland meets the mechanical requirements of EN 62444. Due to the patented design a very easy and fast assembly will be possible.

#### General ordering data

Type	VG 21 HQ EMV68 14-18	Version
Order No.	<a href="#">1016130000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated
GTIN (EAN)	4032248725601	
Qty.	1 pc(s).	
Type	VG 21 HQ EMV68 11-15.5	Version
Order No.	<a href="#">1016120000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated
GTIN (EAN)	4032248725595	
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.	<a href="#">1003160000</a>	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.	<a href="#">1003170000</a>	HDC insert, Male, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ
GTIN (EAN)	4032248698165	
Qty.	1 pc(s).	

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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 MC	Version
Order No.	<a href="#">1003210000</a>	HDC insert, Male, 250 V, 10 A, Number of poles: 17, Crimp connection, Size: HQ
GTIN (EAN)	4032248698202	
Qty.	1 pc(s).	
Type	HDC HQ 17 FC	Version
Order No.	<a href="#">1003200000</a>	HDC insert, Female, 250 V, 10 A, Number of poles: 17, Crimp connection, Size: HQ
GTIN (EAN)	4032248698196	
Qty.	1 pc(s).	

## 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 21 HQ MS68 14-18	Version
Order No.	<a href="#">1016110000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated
GTIN (EAN)	4032248725588	
Qty.	1 pc(s).	
Type	VG 21 HQ MS68 11.5-15.5	Version
Order No.	<a href="#">1016100000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated
GTIN (EAN)	4032248725564	
Qty.	1 pc(s).	
Type	VG 21 HQ MS68 17-20.5	Version
Order No.	<a href="#">2814780000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated
GTIN (EAN)	4064675301561	
Qty.	1 pc(s).	

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## Accessories

Type	VG 21 HQ MS68 9-13	Version	
Order No.	<a href="#">1016090000</a>	Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated	
GTIN (EAN)	4032248725540		
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.	<a href="#">1919980000</a>	HDC insert, Female, 500 V, 16 A, Number of poles: 8, Crimp connection, Size: HQ	
GTIN (EAN)	4032248557950		
Qty.	1 pc(s).		

Type	HDC HQ 8 MC	Version	
Order No.	<a href="#">1919970000</a>	HDC insert, Male, 500 V, 16 A, Number of poles: 8, Crimp connection, Size: HQ	
GTIN (EAN)	4032248557943		
Qty.	1 pc(s).		