

**CH-HNAA-HNAB-06-0100-AB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The increasingly networked industrial world goes hand in hand with the modularization of machines and systems. Functions from the control cabinet are increasingly being moved to field level, which drives up the amount of cabling required.

Our ready-for-connection cable assemblies can be used wiring in field level and for transmitting data or power in various applications. The Plug & Produce solution by Weidmüller are fully tested and will lead to simplification of assembly on your machine. This allows you to focus on your core competencies and further increase your efficiency.

With our broad product portfolio of certified components, we offer you a wide diversification so that we can provide you the perfect solution for your application.

If you cannot find the cable assembly you are looking for despite our continuously growing portfolio, we can also offer you different length variants and customer-specific solutions.

**General ordering data**

|            |                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------|
| Version    | Heavy duty connector assemblies, Pin, Socket connector, Helukabel JZ-500-C black 7G2.5 or similar, Number of poles: 6 |
| Order No.  | <a href="#">2712380100</a>                                                                                            |
| Type       | CH-HNAA-HNAB-06-0100-AB                                                                                               |
| GTIN (EAN) | 4050118779608                                                                                                         |
| Qty.       | 1 pc(s).                                                                                                              |

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## Technical data

## Dimensions and weights

|            |           |
|------------|-----------|
| Net weight | 874.306 g |
|------------|-----------|

## Temperatures

|                   |                  |
|-------------------|------------------|
| Limit temperature | -40 °C ... 80 °C |
|-------------------|------------------|

## General Technical Data

|                   |      |                 |                     |
|-------------------|------|-----------------|---------------------|
| Number of poles   | 6    | Pin arrangement | 1:1, numbered cores |
| Protection degree | IP65 | Rated voltage   | 500 V               |

## Technical Specifications Connector

|           |                                 |                                                                                        |
|-----------|---------------------------------|----------------------------------------------------------------------------------------|
| Connector | Connector description           | Connector 1                                                                            |
|           | Cable entry                     | angled                                                                                 |
|           | Housing main material           | Zinc diecast                                                                           |
|           | Series                          | HQ                                                                                     |
|           | Size                            | 6                                                                                      |
|           | Type                            | Pin                                                                                    |
|           | Individual components connector | <a href="#">HDC HQ 4/2 MC HDC C HX SM2.5AG HDC-C-HD-SM2.5AG VG 21 HQ EMV68 11-15.5</a> |
|           | Connector description           | Connector 2                                                                            |
|           | Cable entry                     | angled                                                                                 |
|           | Housing main material           | Zinc diecast                                                                           |
|           | Series                          | HQ                                                                                     |
|           | Size                            | 6                                                                                      |
|           | Type                            | Female                                                                                 |
|           | Individual components connector | <a href="#">HDC HQ 4/2 FC HDC C HX BM2.5AG HDC-C-HD-BM2.5AG VG 21 HQ EMV68 11-15.5</a> |

## Technical specifications for cable

|                                     |                                           |                                     |                     |
|-------------------------------------|-------------------------------------------|-------------------------------------|---------------------|
| Cable length                        | 1 m                                       | Core cross-section                  | 2.5 mm <sup>2</sup> |
| Line type                           | Helukabel JZ-500-C black 7G2.5 or similar | Number of wires                     | 7                   |
| Outside diameter                    | 12.1 mm                                   | Sheath material                     | PVC                 |
| Sheathing colour                    | black                                     | Temperature range, moving, max.     | 80 °C               |
| Temperature range, moving, min.     | -10 °C                                    | Temperature range, stationary, max. | 80 °C               |
| Temperature range, stationary, min. | -40                                       |                                     |                     |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001576    | ETIM 7.0    | EC001576    |
| ETIM 8.0    | EC001576    | ETIM 9.0    | EC001576    |
| ETIM 10.0   | EC001576    | ECLASS 9.0  | 27-06-04-02 |
| ECLASS 9.1  | 27-06-91-90 | ECLASS 10.0 | 27-06-04-02 |
| ECLASS 11.0 | 27-06-04-02 | ECLASS 12.0 | 27-06-04-02 |
| ECLASS 13.0 | 27-06-04-02 | ECLASS 14.0 | 27-06-04-02 |
| ECLASS 15.0 | 27-06-04-02 |             |             |

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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**Technical data****Environmental Product Compliance**

|                                      |                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                                                                                            |
| RoHS Exemption (if applicable/known) | 6c                                                                                                                  |
| REACH SVHC                           | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1 |
| SCIP                                 | 1344e4a2-b558-4ad0-95d1-5c6df3fdd75e                                                                                |

**Downloads**

|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|------------------------------------------|

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## Accessories

## 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 ALU CS             | Version                                                                                                                      |
| Order No.  | <a href="#">1354950000</a> | HDC enclosures, Size: HQ, Protection degree: IP65, in plugged condition, Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4050118157215              | Standard                                                                                                                     |
| Qty.       | 1 pc(s).                   |                                                                                                                              |
| Type       | HDC HQP ALU                | Version                                                                                                                      |
| Order No.  | <a href="#">1003040000</a> | 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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Coupling housing**

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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.

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**General ordering data**

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

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## Accessories

## Angled bulkhead housing



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## General ordering data

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

## 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           |
| GTIN (EAN) | 4032248698158              | connection, Size: HQ                                                 |
| 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, |
| GTIN (EAN) | 4032248698165              | Size: HQ                                                             |
| Qty.       | 1 pc(s).                   |                                                                      |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Base housing**

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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.

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**General ordering data**

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | HDC HQP SLU 1PG16          | Version                                                              |
| Order No.  | <a href="#">1003110000</a> | 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                                         |

**Bulkhead housing**

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**General ordering data**

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories**

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| Type       | HDC HQM ALU                | Version                                                        |
| Order No.  | <a href="#">1003050000</a> | 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                                                       |