

**CH-HJAC-HJAD-06-0100-AC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**IP65**

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-600 7G4 or similar, Shielded: No, Number of poles: 6 |
| Order No.  | <a href="#">2712320100</a>  |
| Type       | CH-HJAC-HJAD-06-0100-AC   |
| GTIN (EAN) | 4050118751048   |
| Qty.       | 1 pc(s).  |

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## Technical data

## Dimensions and weights

|            |            |
|------------|------------|
| Net weight | 1,096.64 g |
|------------|------------|

## Temperatures

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

## Technical specifications for cable

|                              |                      |                                  |                    |
|------------------------------|----------------------|----------------------------------|--------------------|
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Cable length                 | 1                    | Core cross-section               | 4 mm <sup>2</sup>  |
| Halogen                      | Yes                  | Insulation                       | PVC                |
| Number of poles              | 6                    | Number of wires                  | 7                  |
| Outside diameter             | 15.8 mm              | Sheath material                  | PVC                |
| Sheathing colour             | black                | Shielded                         | No                 |
| Temperature range, moving    | -15...80 °C          | Temperature range, stationary    | -40...80 °C        |

## General technical data

|                   |                       |               |       |
|-------------------|-----------------------|---------------|-------|
| Protection degree | IP65                  | Rated voltage | 400 V |
| Version           | Pin, Socket connector |               |       |

## General Technical Data

|                   |      |                 |                     |
|-------------------|------|-----------------|---------------------|
| Number of poles   | 6    | Pin arrangement | 1:1, numbered cores |
| Protection degree | IP65 | Rated voltage   | 400 V               |

## Technical Specifications Connector

|           |                                 |   |
|-----------|---------------------------------|---|
| Connector | Connector description           | Connector 1   |
|           | Cable entry                     | angled  |
|           | Housing main material           | Diecast aluminium   |
|           | Number of poles                 | 6   |
|           | Series                          | HSB   |
|           | Size                            | 6   |
|           | Type                            | Pin   |
|           | Individual components connector | <a href="#">HDC 16B TSBU 1M25G HDC HSB 6 MS H4,0/18D GR VGM25-MS68 11-20 BG</a> |
|           | Connector description           | Connector 2   |
|           | Cable entry                     | angled  |
|           | Housing main material           | Diecast aluminium   |
|           | Number of poles                 | 6   |
|           | Series                          | HSB   |
|           | Size                            | 6   |
|           | Type                            | Female  |
|           | Individual components connector | <a href="#">HDC 16B TSBU 1M25G HDC HSB 6 FS H4,0/18D GR VGM25-MS68 11-20 BG</a> |

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|                                     |                                 |                                     |                    |
|-------------------------------------|---------------------------------|-------------------------------------|--------------------|
| Bending radius, min., moving        | 7.5 x cable diameter            | Bending radius, min., stationary    | 4 x cable diameter |
| Cable length                        | 1                               | Core cross-section                  | 4 mm <sup>2</sup>  |
| Halogen                             | Yes                             | Insulation                          | PVC                |
| Line type                           | Helukabel JZ-600 7G4 or similar | Number of wires                     | 7                  |
| Outside diameter                    | 15.8 mm                         | Sheath material                     | PVC                |
| Sheathing colour                    | black                           | Shielded                            | No                 |
| Temperature range, moving           | -15...80 °C                     | Temperature range, moving, max.     | 80 °C              |
| Temperature range, moving, min.     | -15 °C                          | Temperature range, stationary       | -40...80 °C        |
| Temperature range, stationary, max. | 80 °C                           | Temperature range, stationary, min. | -40 °C             |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001576    | ETIM 7.0    | EC001576    |
| ETIM 8.0    | EC001576    | ETIM 9.0    | 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 |

**Environmental Product Compliance**

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP       | ef244396-ddde-4d05-9b64-973eef6c7a15                          |

**Approvals**

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

**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.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC 16B ABU N              | Version   |
| Order No.  | <a href="#">2488590000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard                                     |
| GTIN (EAN) | 4050118541526              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B ABU                | Version   |
| Order No.  | <a href="#">1208600000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Side-locking clamp not replaceable, Standard |
| GTIN (EAN) | 4008190881351              |   |
| Qty.       | 1 pc(s).                   |   |

## Coupling hood



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 40D KBU 1M32G          | Version  |
| Order No.  | <a href="#">1787190000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: M 32 |
| GTIN (EAN) | 4032248204533              |  |
| Qty.       | 1 pc(s).                   |  |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC 40D KBU 1M25G N        | Version   |
| Order No.  | <a href="#">2559890000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29     |
| GTIN (EAN) | 4050118676440              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D KBU 1M32G N        | Version   |
| Order No.  | <a href="#">2559900000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29     |
| GTIN (EAN) | 4050118673265              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D KBU 2M32G N        | Version   |
| Order No.  | <a href="#">2545510000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29     |
| GTIN (EAN) | 4050118558333              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D KBU 1M25G          | Version   |
| Order No.  | <a href="#">1787200000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: M 25      |
| GTIN (EAN) | 4032248204540              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D KBU 1PG21G         | Version   |
| Order No.  | <a href="#">1657310000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21     |
| GTIN (EAN) | 4008190410360              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D KBU 1PG29G         | Version   |
| Order No.  | <a href="#">1967670000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29     |
| GTIN (EAN) | 4032248670178              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B KBU 1PG21G         | Version   |
| Order No.  | <a href="#">1657270000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 21 |
| GTIN (EAN) | 4008190410322              |   |
| Qty.       | 1 pc(s).                   |   |

## Size 6



The HSB series enables you to carry 35A per contact simultaneously. Assembled with screw connections, for secure and reliable connections.

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring.

Number of poles: **6**

Rated current: **35 A**

Rated voltage: **400 V**

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

Screw connection

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HSB 6 FS               | Version  |
| Order No.  | <a href="#">1498900000</a> | HDC insert, Female, 400 V, 35 A, Number of poles: 6, Screw connection, Size: 6 |
| GTIN (EAN) | 4008190071417              |  |
| Qty.       | 1 pc(s).                   |  |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HSB 6 MS               | Version  |
| Order No.  | <a href="#">1498700000</a> | HDC insert, Male, 400 V, 35 A, Number of poles: 6, Screw connection, |
| GTIN (EAN) | 4008190035136              | Size: 6  |
| Qty.       | 1 pc(s).                   |  |

## Cover



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.

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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.

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

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC 16B DMDQ 2QB           | Version   |
| Order No.  | <a href="#">1665270000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Cover for upper part of housing, Side-locking clamp on |
| GTIN (EAN) | 4008190421977              | lower side, Standard  |
| Qty.       | 1 pc(s).                   |   |

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## Accessories

## Base housing



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## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC 16B SBU 1M25G          | Version   |
| Order No.  | <a href="#">1899980000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard,  |
| GTIN (EAN) | 4032248520718              | Size of cable entries: M 25   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2PG21G         | Version   |
| Order No.  | <a href="#">1656810000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size |
| GTIN (EAN) | 4008190409821              | of cable entries: PG 21   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2M25G          | Version   |
| Order No.  | <a href="#">1787120000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size |
| GTIN (EAN) | 4032248204465              | of cable entries: M 25  |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 1M25G N        | Version   |
| Order No.  | <a href="#">2560740000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard,  |
| GTIN (EAN) | 4050118673234              | Size of cable entries: M 25   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 2PG21G N       | Version   |
| Order No.  | <a href="#">2560950000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard,  |
| GTIN (EAN) | 4050118676921              | Size of cable entries: PG 21  |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2PG29G         | Version   |
| Order No.  | <a href="#">1656840000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size |
| GTIN (EAN) | 4008190409852              | of cable entries: PG 29   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 1PG21G N       | Version   |
| Order No.  | <a href="#">2560940000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard,  |
| GTIN (EAN) | 4050118676716              | Size of cable entries: PG 21  |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2M25G N        | Version   |
| Order No.  | <a href="#">2561020000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size |
| GTIN (EAN) | 4050118676914              | of cable entries: PG 21   |
| Qty.       | 1 pc(s).                   |   |

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|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC 40D SBU 1M32G          | Version   |
| Order No.  | <a href="#">1902990000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: M 32      |
| GTIN (EAN) | 4032248592968              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 1M32G N        | Version   |
| Order No.  | <a href="#">2561030000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21     |
| GTIN (EAN) | 4050118676464              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 2M25G N        | Version   |
| Order No.  | <a href="#">2560930000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard, Size of cable entries: M 25  |
| GTIN (EAN) | 4050118673531              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2M32G          | Version   |
| Order No.  | <a href="#">1787110000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: M 32      |
| GTIN (EAN) | 4032248204458              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 1PG29G N       | Version   |
| Order No.  | <a href="#">2560770000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21     |
| GTIN (EAN) | 4050118893595              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 1PG29G         | Version   |
| Order No.  | <a href="#">1656830000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: PG 29     |
| GTIN (EAN) | 4008190409845              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 1PG21G         | Version   |
| Order No.  | <a href="#">1656720000</a> | 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 |
| GTIN (EAN) | 4008190409739              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 2PG21G         | Version   |
| Order No.  | <a href="#">1656730000</a> | 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 |
| GTIN (EAN) | 4008190409746              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 16B SBU 2M25G          | Version   |
| Order No.  | <a href="#">1788240000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard, Size of cable entries: M 25  |
| GTIN (EAN) | 4032248205776              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 1M25G          | Version   |
| Order No.  | <a href="#">1902970000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: M 25      |
| GTIN (EAN) | 4032248592951              |   |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC 40D SBU 2M32G N        | Version   |
| Order No.  | <a href="#">2561040000</a> | HDC enclosures, Size: 6, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, high, Size of cable entries: PG 21     |
| GTIN (EAN) | 4050118676457              |   |
| Qty.       | 1 pc(s).                   |   |