**Weidmüller** ⋺⋵

# CH-HLAA-HLAB-24-0100-AG

**IP65**   1.5 mm²   **RoHS COMPLIANT**

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, Lapp ÖLFLEX® CLASSIC 110 BK 25G1.5 or similar, Shielded: No, Number of poles: 24 |
|---|---|
| Order No. | 2712360100 |
| Type | CH-HLAA-HLAB-24-0100-AG |
| GTIN (EAN) | 4050118750539 |
| Qty. | 1 pc(s). |

# CH-HLAA-HLAB-24-0100-AG

## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 1,259.4 g |

### Temperatures

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Bending radius, min., moving | 10 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Cable length | 1 m | Core cross-section | 1.5 mm² |
| Halogen | Yes | Insulation | PVC |
| Number of poles | 24 | Sheath material | PVC |
| Sheathing colour | black | Shielded | No |
| Temperature range, moving | -15...70 °C | Temperature range, stationary | -40...80 °C |

### General technical data

| | | | |
|---|---|---|---|
| Protection degree | IP65 | Rated voltage | 500 V |
| Version | Pin, Socket connector | | |

### General Technical Data

| | | | |
|---|---|---|---|
| Number of poles | 24 | 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 | Diecast aluminium |
| | Series | HE |
| | Size | 8 |
| | Type | Pin |
| | Individual components connector | HDC 24B TSBU 1M25G HDC HE 24 MP H1,5/14 R VGM25-MS68 11-20 BG |
| | Connector description | Connector 2 |
| | Cable entry | angled |
| | Housing main material | Diecast aluminium |
| | Series | HE |
| | Size | 8 |
| | Type | Female |
| | Individual components connector | HDC 24B TSBU 1M25G HDC HE 24 FP H1,5/14 R VGM25-MS68 11-20 BG |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Bending radius, min., moving | 10 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Cable length | 1 m | Core cross-section | 1.5 mm² |
| Halogen | Yes | Insulation | PVC |
| Line type | Lapp ÖLFLEX® CLASSIC 110 BK 25G1.5 or similar | Sheath material | PVC |
| Sheathing colour | black | Shielded | No |
| Temperature range, moving | -15...70 °C | Temperature range, moving, max. | 70 °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 |

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## Technical data

### 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 | 81ca46c4-2930-4739-aa54-e07d33c98f2c |

### Approvals

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

### Downloads

| | |
|---|---|
| Catalogues | [Catalogues in PDF-format](#) |

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Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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# CH-HLAA-HLAB-24-0100-AG

**Accessories**

## Base 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 24B SBU 1PG21G | Version | |
|---|---|---|---|
| Order No. | 1661510000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4008190418069 | condition), Base housing, Side-locking clamp on lower side, Standard, | |
| Qty. | 1 pc(s). | Size of cable entries: PG 21 | |
| Type | HDC 64D SBU 1M25G | Version | |
| Order No. | 1904340000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248585601 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: M 25 | |
| Type | HDC 64D SBU 2PG29G | Version | |
| Order No. | 1661630000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4008190418182 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: PG 29 | |
| Type | HDC 64D SBU 2M32G | Version | |
| Order No. | 1786880000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248204120 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: M 32 | |
| Type | HDC 64D SBU 2M25G | Version | |
| Order No. | 1786890000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248204137 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: M 25 | |
| Type | HDC 24B SBU 2PG21G | Version | |
| Order No. | 1661520000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4008190418076 | condition), Base housing, Side-locking clamp on lower side, Standard, | |
| Qty. | 1 pc(s). | Size of cable entries: PG 21 | |
| Type | HDC 24B SBU 1M25G | Version | |
| Order No. | 1901150000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248521258 | condition), Base housing, Side-locking clamp on lower side, Standard, | |
| Qty. | 1 pc(s). | Size of cable entries: M 25 | |
| Type | HDC 24B SBU 2M25G | Version | |
| Order No. | 1787870000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248205318 | condition), Base housing, Side-locking clamp on lower side, Standard, | |
| Qty. | 1 pc(s). | Size of cable entries: M 25 | |

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## Accessories

| Type | HDC 64D SBU 2PG21G | Version | |
|------|--------------------|---------|---|
| Order No. | 1661590000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4008190418144 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: PG 21 | |
| Type | HDC 64D SBU 1M32G | Version | |
| Order No. | 1904350000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4032248585298 | condition), Base housing, Side-locking clamp on lower side, high, Size | |
| Qty. | 1 pc(s). | of cable entries: M 32 | |

### 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.

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 24B DMDQ 2QB | Version | |
|------|------------------|---------|---|
| Order No. | 1665640000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged | |
| GTIN (EAN) | 4008190422660 | condition), Cover for upper part of housing, Side-locking clamp on | |
| Qty. | 1 pc(s). | lower side, Standard | |

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# CH-HLAA-HLAB-24-0100-AG

# Accessories

## Coupling hood

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### General ordering data

| Type | HDC 24B KBU 1M25G | Version |
|---|---|---|
| Order No. | 1787920000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248205363 | condition), Coupling housing, Side-locking clamp on lower side, |
| Qty. | 1 pc(s). | Standard, Size of cable entries: M 25 |
| Type | HDC 24B KBU 1PG29G | Version |
| Order No. | 1661730000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190418281 | condition), Coupling housing, Side-locking clamp on lower side, |
| Qty. | 1 pc(s). | Standard, Size of cable entries: PG 29 |
| Type | HDC 64D KBU 1M32G | Version |
| Order No. | 1786960000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4032248204205 | condition), Coupling housing, Side-locking clamp on lower side, high, |
| Qty. | 1 pc(s). | Size of cable entries: M 32 |
| Type | HDC 24B KBU 1PG21G | Version |
| Order No. | 1661720000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190418274 | condition), Coupling housing, Side-locking clamp on lower side, |
| Qty. | 1 pc(s). | Standard, Size of cable entries: PG 21 |
| Type | HDC 64D KBU 1PG29G | Version |
| Order No. | 1661810000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190418359 | condition), Coupling housing, Side-locking clamp on lower side, high, |
| Qty. | 1 pc(s). | Size of cable entries: PG 29 |

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## Accessories

### Size 8
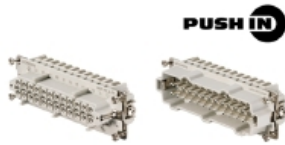
PUSH IN

The PUSH IN connection is a direct-insert method of connection. The preprocessed wire can be inserted directly into the wire connection without the need for any tools.
Number of poles: **24**
Rated current: **16 A**
Rated voltage: **500 V**
Nominal voltage acc. to UL/CSA: **600 V AC/DC**
PUSH IN technology

#### General ordering data

| Type | HDC HE 24 FP | Version |
|---|---|---|
| Order No. | 1873580000 | HDC insert, Female, 500 V, 16 A, Number of poles: 24, PUSH IN, Size: |
| GTIN (EAN) | 4032248458196 | 8 |
| Qty. | 1 pc(s). | |
| Type | HDC HE 24 MP | Version |
| Order No. | 1873590000 | HDC insert, Male, 500 V, 16 A, Number of poles: 24, PUSH IN, Size: 8 |
| GTIN (EAN) | 4032248458202 | |
| Qty. | 1 pc(s). | |

### Bulkhead housing

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#### General ordering data

| Type | HDC 24B ABU N | Version |
|---|---|---|
| Order No. | 2488600000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4050118541533 | condition), Bulkhead housing, Side-locking clamp on lower side, |
| Qty. | 1 pc(s). | Standard |
| Type | HDC 24B ABU | Version |
| Order No. | 1212400000 | HDC enclosures, Size: 8, Protection degree: IP65 (in plugged |
| GTIN (EAN) | 4008190083939 | condition), Bulkhead housing, Side-locking clamp on lower side, Side- |
| Qty. | 1 pc(s). | locking clamp not replaceable, Standard |

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