

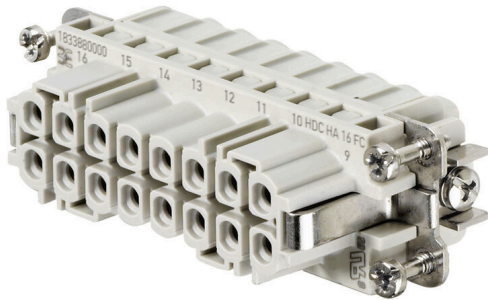
**HDC HA 16 FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The small and thin HA series can be used wherever space is limited.

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: 16

Rated current: 22 A

Rated voltage 250 V

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

**General ordering data**

|            |  |
|------------|--|
| Version    | HDC insert, Female, 250 V, 16 A, Number of poles: 16, Crimp connection, Installation size: 5 |
| Order No.  | <a href="#">1873880000</a>   |
| Type       | HDC HA 16 FC   |
| GTIN (EAN) | 4032248458394  |
| Qty.       | 1 items  |

**HDC HA 16 FC**

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**Technical data**

**Approvals**

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E92202                     |

**Dimensions and weights**

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 73 mm   | Depth (inches)  | 2.874 inch  |
| Height     | 31.1 mm | Height (inches) | 1.2244 inch |
| Width      | 23 mm   | Width (inches)  | 0.9055 inch |
| Net weight | 30.8 g  |                 |             |

**Temperatures**

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

**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 |
| SCIP                                 | b67daa31-7dca-434d-8290-da7fb52f83a2                           |

|                     |                          |                           |
|---------------------|--------------------------|---------------------------|
| Chemical resistance | Substance                | Acetone                   |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Ammonia, watery           |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Petrol                    |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Benzene                   |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Diesel oil                |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Acetic acid, concentrated |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Potassium hydroxide       |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Methanol                  |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Motor oil                 |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Lye, diluted              |
|                     | Chemical resistance      | Resistant                 |
| Substance           | Hydrochlorofluorocarbons |                           |
| Chemical resistance | Conditionally resistant  |                           |
| Substance           | Outdoor use              |                           |
| Chemical resistance | Conditionally resistant  |                           |

**Dimensions**

|                  |         |                   |       |
|------------------|---------|-------------------|-------|
| Width            | 23 mm   | Total length base | 73 mm |
| Height of socket | 31.1 mm |                   |       |

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## Technical data

## General data

|                                       |   |                                   |        |
|---------------------------------------|---|-----------------------------------|--------|
| Number of poles                       | 16  |                                   |        |
| Plugging cycles, silver               | ≥ 500   |                                   |        |
| Plugging cycles, gold                 | ≥ 500   |                                   |        |
| Type of connection                    | Crimp connection  |                                   |        |
| Installation size                     | 5   |                                   |        |
| UL 94 flammability rating             | V-0   |                                   |        |
| Volume resistance                     | ≤2 mΩ   |                                   |        |
| Colour                                | beige   |                                   |        |
| Insulation resistance                 | 1010 Ω  |                                   |        |
| Insulating material                   | PC glass-fibre reinforced (UL-listed and railway-certified) |                                   |        |
| Insulating material group             | IIIa  |                                   |        |
| Conductor cross-section               | 2.5 mm <sup>2</sup>   |                                   |        |
| Tightening torque, max. PE connection | 1.5 Nm  |                                   |        |
| Type                                  | Female  |                                   |        |
| Pollution severity                    | 3   |                                   |        |
| Tightening torque, min. PE connection | 1.2 Nm  |                                   |        |
| Basic material                        | Copper alloy  |                                   |        |
| Series                                | HA  |                                   |        |
| Rated voltage (DIN EN 61984)          | 250 V   |                                   |        |
| Rated voltage according to UL/CSA     | 600 V AC/DC   |                                   |        |
| Rated impulse voltage (DIN EN 61984)  | 4 kV  |                                   |        |
| Rated current (DIN EN 61984)          | 16 A  |                                   |        |
| Rated current (UR)                    | Wire connection cross section AWG                           | AWG 12                            |        |
|                                       | Rated current   | 20 A                              |        |
|                                       | Wire connection cross section AWG                           | AWG 14                            |        |
|                                       | Rated current   | 15 A                              |        |
|                                       | Wire connection cross section AWG                           | AWG 16                            |        |
|                                       | Rated current   | 10 A                              |        |
|                                       | Wire connection cross section AWG                           | AWG 18                            |        |
|                                       | Rated current   | 7 A                               |        |
|                                       | Wire connection cross section AWG                           | AWG 20                            |        |
|                                       | Rated current   | 5 A                               |        |
|                                       | Rated current (cUR)   | Wire connection cross section AWG | AWG 12 |
|                                       |   | Rated current                     | 19 A   |
|                                       |   | Wire connection cross section AWG | AWG 14 |
|                                       |   | Rated current                     | 15 A   |
| Wire connection cross section AWG     |   | AWG 16                            |        |
| Rated current                         |   | 12 A                              |        |
| Wire connection cross section AWG     |   | AWG 18                            |        |
| Rated current                         |   | 8 A                               |        |
| Wire connection cross section AWG     |   | AWG 20                            |        |
| Rated current                         |   | 8 A                               |        |
| Free from halogens                    |   | true                              |        |
| Low smoke acc. DIN EN 45545-2         |   | Yes                               |        |
| BG                                    |   | 5                                 |        |
| Number of signal contacts             |   | 0                                 |        |
| Number of power contacts              | 16  |                                   |        |

## Connection data PE

|                                       |                                    |                                       |              |
|---------------------------------------|------------------------------------|---------------------------------------|--------------|
| Connection type PE                    | Screw connection, Crimp connection | Blade size, slotted (PE connection)   | SD 0.8 x 4.0 |
| Stripping length PE connection        | 10 mm                              | Tightening torque, max. PE connection | 1.5 Nm       |
| Tightening torque, min. PE connection | 1.2 Nm                             | Fixing screw                          | M 4          |
| Rated cross-section                   | 2.5 mm <sup>2</sup>                | Wire cross section, AWG (PE), min.    | AWG 20       |
| Wire cross section, AWG (PE), max.    | AWG 14                             |                                       |              |

Creation date 25.02.2026 08:16:12 MEZ

Catalogue status / Drawings

## Technical data

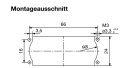
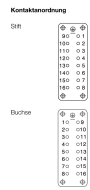
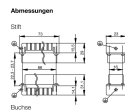
### Version

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Wire connection cross section AWG, max.   | AWG 12              | Stripping length, rated connection  | 8 mm                |
| Type of connection  | Crimp connection    | Installation size   | 5                   |
| Volume resistance   | ≤2 mΩ               | Wire connection cross section AWG, min.   | AWG 20              |
| Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.   | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Conductor cross-section, max.   | 4 mm <sup>2</sup>   | Conductor cross-section, min.   | 0.5 mm <sup>2</sup> |
| Basic material  | Copper alloy        | BG  | 5                   |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ETIM 10.0   | EC000438    | ECLASS 14.0 | 27-44-02-05 |
| ECLASS 15.0 | 27-44-02-05 |             |             |

Drawings



## HDC HA 16 FC

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## Accessories

## Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDIS 0.6X3.5X100           | Version                  |
| Order No.  | <a href="#">9008390000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDIS 0.8X4.0X100           | Version                  |
| Order No.  | <a href="#">9008400000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056361              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.8X4.0X100            | Version                  |
| Order No.  | <a href="#">9008340000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056293              |                          |
| Qty.       | 1 ST                       |                          |

## Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDIK PH1                   | Version                  |
| Order No.  | <a href="#">9008570000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056569              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDK PH1                    | Version                  |
| Order No.  | <a href="#">9008480000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056477              |                          |
| Qty.       | 1 ST                       |                          |

**Accessories**

**Crimping tools**



Crimping tools for turned contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

**General ordering data**

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | CTX CM 1.6/2.5             | Version   |  |
| Order No.  | <a href="#">9018490000</a> | Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 4mm <sup>2</sup> , W crimp |  |
| GTIN (EAN) | 4008190884598              |   |  |
| Qty.       | 1 ST                       |   |  |

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | CTIN CM 1.6/2.5            | Version  |  |
| Order No.  | <a href="#">9205430000</a> | Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 6mm <sup>2</sup> , 4-indent crimp |  |
| GTIN (EAN) | 4032248733446              |  |  |
| Qty.       | 1 ST                       |  |  |

**Contact removal tools**



Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

**General ordering data**

|            |                            |                             |  |
|------------|----------------------------|-----------------------------|--|
| Type       | REMOVAL TOOL HE            | Version                     |  |
| Order No.  | <a href="#">1866750000</a> | Tools, Contact Removal Tool |  |
| GTIN (EAN) | 4032248437078              |                             |  |
| Qty.       | 1 ST                       |                             |  |

**HE**

Various accessories are available for our inserts. This includes coding elements for the inserts.



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## Accessories

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | HDC HE CP                  | Version   |  |
| Order No.  | <a href="#">1003240000</a> | Heavy-duty connectors, Accessories, Coding System |  |
| GTIN (EAN) | 4032248698233              |   |  |
| Qty.       | 100 ST                     |   |  |

### Crimp contacts HE



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | HDC-C-HE-BM0.5AG           | Version  |  |
| Order No.  | <a href="#">1201100000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy |  |
| GTIN (EAN) | 4008190142698              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM0.75-1.00AG     | Version  |  |
| Order No.  | <a href="#">1201200000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy   |  |
| GTIN (EAN) | 4008190044480              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM1.5AG           | Version  |  |
| Order No.  | <a href="#">1201300000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy |  |
| GTIN (EAN) | 4008190100346              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM2.5AG           | Version  |  |
| Order No.  | <a href="#">1201400000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 2.5, turned, Copper alloy |  |
| GTIN (EAN) | 4008190047078              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM4.0AG           | Version  |  |
| Order No.  | <a href="#">1201500000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 4, turned, Copper alloy   |  |
| GTIN (EAN) | 4008190148096              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM0.5AU           | Version  |  |
| Order No.  | <a href="#">1651470000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy |  |
| GTIN (EAN) | 4008190400149              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM0.75-1.00AU     | Version  |  |
| Order No.  | <a href="#">1651480000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy   |  |
| GTIN (EAN) | 4008190400156              |  |  |
| Qty.       | 100 ST                     |  |  |
| Type       | HDC-C-HE-BM1.5AU           | Version  |  |
| Order No.  | <a href="#">1651490000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy |  |
| GTIN (EAN) | 4008190400163              |  |  |
| Qty.       | 100 ST                     |  |  |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC-C-HE-BM2.5AU           | Version  |
| Order No.  | <a href="#">1651500000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,      |
| GTIN (EAN) | 4008190400170              | Female, Conductor cross-section, max.: 2.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HE-BM4.0AU           | Version  |
| Order No.  | <a href="#">1651510000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,      |
| GTIN (EAN) | 4008190400187              | Female, Conductor cross-section, max.: 4, turned, Copper alloy   |
| Qty.       | 100 ST                     |  |

## DSTV

Various accessories are available for our inserts. This includes coding elements for the inserts.



## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | DSTV COBU5                 | Version  |
| Order No.  | <a href="#">1471500000</a> | Heavy-duty connectors, Accessories, Coding element |
| GTIN (EAN) | 4008190178543              |  |
| Qty.       | 100 ST                     |  |
| Type       | DSTV COST4                 | Version  |
| Order No.  | <a href="#">1471300000</a> | Heavy-duty connectors, Accessories, Coding System  |
| GTIN (EAN) | 4008190017354              |  |
| Qty.       | 100 ST                     |  |