

**HDC HE 10 MP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**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: 10

Rated current: 16 A

Rated voltage: 500 V

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

**General ordering data**

|            |   |
|------------|---|
| Version    | HDC insert, Male, 500 V, 16 A, Number of poles: 10, PUSH IN, Installation size: 4 |
| Order No.  | <a href="#">1873550000</a>  |
| Type       | HDC HE 10 MP  |
| GTIN (EAN) | 4032248458165   |
| Qty.       | 1 items   |

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**Technical data**

**Approvals**

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E310075                    |

**Dimensions and weights**

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 64 mm   | Depth (inches)  | 2.5197 inch |
| Height     | 34.3 mm | Height (inches) | 1.3504 inch |
| Width      | 34 mm   | Width (inches)  | 1.3386 inch |
| Net weight | 56 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            | 34 mm   | Total length base | 64 mm   |
| Height of socket | 33.8 mm | Height of plug    | 34.3 mm |

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## Technical data

## General data

|                                       |   |                                   |        |
|---------------------------------------|---|-----------------------------------|--------|
| Number of poles                       | 10  |                                   |        |
| Plugging cycles, silver               | ≥ 500   |                                   |        |
| Plugging cycles, gold                 | ≥ 500   |                                   |        |
| Type of connection                    | PUSH IN   |                                   |        |
| Installation size                     | 4   |                                   |        |
| 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  |                                   |        |
| Tightening torque, max. PE connection | 1.5 Nm  |                                   |        |
| Surface finish                        | Silver passivated   |                                   |        |
| Type                                  | Male  |                                   |        |
| Pollution severity                    | 3   |                                   |        |
| Tightening torque, min. PE connection | 1.2 Nm  |                                   |        |
| Basic material                        | Copper alloy  |                                   |        |
| Series                                | HE  |                                   |        |
| Rated voltage (DIN EN 61984)          | 500 V   |                                   |        |
| Rated voltage according to UL/CSA     | 600 V AC/DC   |                                   |        |
| Rated impulse voltage (DIN EN 61984)  | 6 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                         |   | 16 A                              |        |
| Wire connection cross section AWG     |   | AWG 16                            |        |
| Rated current                         |   | 12.5 A                            |        |
| Wire connection cross section AWG     |   | AWG 18                            |        |
| Rated current                         |   | 9.8 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                                    | 4   |                                   |        |
| Number of signal contacts             | 0   |                                   |        |
| Number of power contacts              | 10  |                                   |        |

## Rating data IECEx/ATEX

|                                 |                   |                        |                 |
|---------------------------------|-------------------|------------------------|-----------------|
| Certificate No. (IECEX)         | IECEXUR24.0077X   | Current (IECEX)        | 3 A             |
| Current (ATEX)                  | 3 A               | Certificate No. (ATEX) | TUEV24ATEX9197X |
| Wire cross section max. (IECEX) | 4 mm <sup>2</sup> | Max. voltage (ATEX)    | 250 V           |
| Wire cross section max. (ATEX)  | 4 mm <sup>2</sup> | Max. voltage (IECEX)   | 250 V           |

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## Technical data

### Connection data PE

|                                       |                   |                                       |              |
|---------------------------------------|-------------------|---------------------------------------|--------------|
| Connection type PE                    | Screw 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                   | 4 mm <sup>2</sup> | Wire cross section, AWG (PE), min.    | AWG 20       |
| Wire cross section, AWG (PE), max.    | AWG 12            |                                       |              |

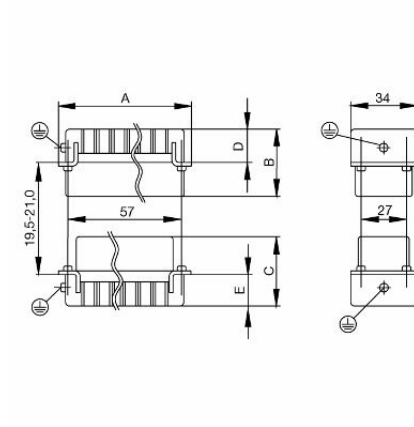
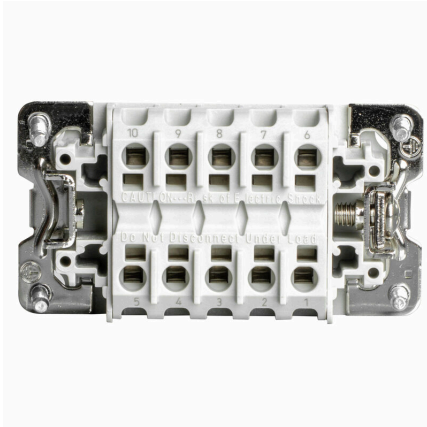
### Version

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Blade size, slotted (screw connection)  | SD 0.5 x 3.0        | Stripping length, rated connection  | 10 mm               |
| Type of connection  | PUSH IN             | Installation size   | 4                   |
| Volume resistance   | ≤2 mΩ               | 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. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, 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.   | 2.5 mm <sup>2</sup> | Conductor cross-section, min.   | 0.5 mm <sup>2</sup> |
| Surface finish  | Silver passivated   | Basic material  | Copper alloy        |
| BG  | 4                   |   |                     |

### 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 HE 10 MP

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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 0.4X2.5X75            | Version                  |
| Order No.  | <a href="#">9008370000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056330              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.4X2.5X75             | Version                  |
| Order No.  | <a href="#">9009030000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248266944              |                          |
| Qty.       | 1 ST                       |                          |
| 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

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## Accessories

## 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                       |                          |

## 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                     |  |

## Size 4



The HEE series features high-density contacts and is designed based on the established HE inserts. The wire connection level is designed as a PUSH IN contact.

Number of poles: 10 - 64

Rated current: 16 A

Rated voltage: 500 V

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HEE 18 MP              | Version   |
| Order No.  | <a href="#">3023920000</a> | HDC insert, Male, 500 V, 16 A, Number of poles: 18, PUSH IN with actuator, Installation size: 4 |
| GTIN (EAN) | 4099986946507              |   |
| Qty.       | 1 ST                       |   |
| Type       | HDC HE 10 FP               | Version   |
| Order No.  | <a href="#">1873540000</a> | HDC insert, Female, 500 V, 16 A, Number of poles: 10, PUSH IN, Installation size: 4             |
| GTIN (EAN) | 4032248458158              |   |
| Qty.       | 1 ST                       |   |