

## HDC HVE 3+2 FT CTH

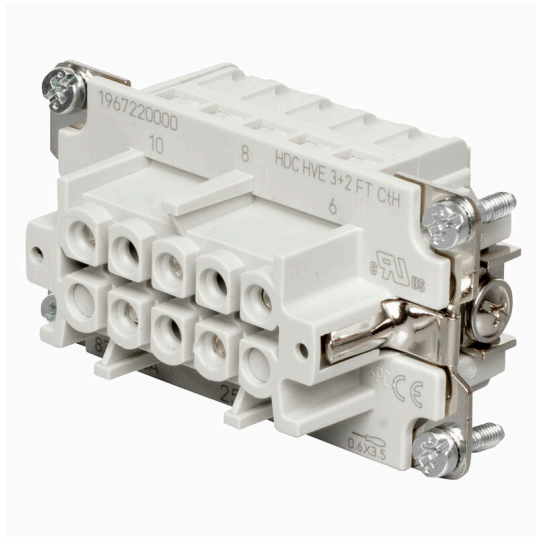
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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



The HVE-series high-voltage inserts are equipped with two lagging contacts. The wire connection level is designed as a crimp contact. Thus practically no servicing is required. In addition, a secure and permanent connection is established which is resistant to vibrations.

Number of poles: 5

Rated current: 24 A

Rated voltage: 830 V

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

### General ordering data

|            |   |
|------------|---|
| Version    | HDC insert, Female, 830 V, 20 A, Number of poles: 5, Tension-clamp connection, Installation size: 4 |
| Order No.  | <a href="#">1967220000</a>  |
| Type       | HDC HVE 3+2 FT CTH  |
| GTIN (EAN) | 4032248661237   |
| Qty.       | 1 items   |

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Depth      | 64 mm | Depth (inches)  | 2.5197 inch |
| Height     | 33 mm | Height (inches) | 1.2992 inch |
| Width      | 34 mm | Width (inches)  | 1.3386 inch |
| Net weight | 50 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 mm |                   |       |

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## Technical data

## General data

|                                       |             |                                      |   |
|---------------------------------------|-------------|--------------------------------------|---|
| Number of poles                       | 5           | Plugging cycles, silver              | ≥ 500   |
| Plugging cycles, gold                 | ≥ 500       | Type of connection                   | Tension-clamp connection                                    |
| 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        | Conductor cross-section              | 2.5 mm <sup>2</sup>   |
| Tightening torque, max. PE connection | 1.5 Nm      | Surface finish                       | Silver passivated   |
| Type                                  | Female      | Pollution severity                   | 3   |
| Tightening torque, min. PE connection | 1.2 Nm      | Basic material                       | Copper alloy  |
| Series                                | HVE         | Rated voltage (DIN EN 61984)         | 830 V   |
| Rated voltage according to UL/CSA     | 600 V AC/DC | Rated impulse voltage (DIN EN 61984) | 8 kV  |
| Rated current (DIN EN 61984)          | 20 A        | Free from halogens                   | true  |
| Low smoke acc. DIN EN 45545-2         | Yes         | BG                                   | 4   |
| Number of signal contacts             | 2           | Number of power contacts             | 3   |

## 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         | Wire connection cross section AWG, max.   | AWG 14                   |
| Stripping length, rated connection  | 8 mm                 | Type of connection  | Tension-clamp connection |
| Installation size   | 4                    | Volume resistance   | ≤2 mΩ                    |
| Wire connection cross section AWG, min.   | AWG 24               | Wire cross-section, solid, max.   | 4 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. | 4 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.                                    | 4 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.   | 0.25 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 |             |             |

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Drawings

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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 0.5X3.0X100           | Version                  |
| Order No.  | <a href="#">9008380000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056347              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.5X3.0X80             | Version                  |
| Order No.  | <a href="#">9008320000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056262              |                          |
| 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 COST4                 | Version  |
| Order No.  | <a href="#">1471300000</a> | Heavy-duty connectors, Accessories, Coding System  |
| GTIN (EAN) | 4008190017354              |  |
| Qty.       | 100 ST                     |  |
| Type       | DSTV COBU5                 | Version  |
| Order No.  | <a href="#">1471500000</a> | Heavy-duty connectors, Accessories, Coding element |
| GTIN (EAN) | 4008190178543              |  |
| Qty.       | 100 ST                     |  |