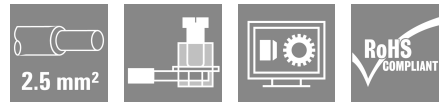
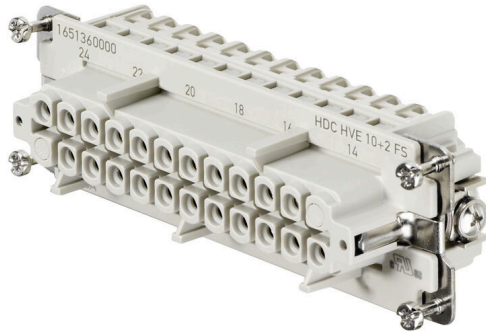


## HDC HVE 10+2 FS

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



The HVE-series high-voltage inserts are equipped with two lagging contacts.  
 The wire connection level is designed as a screw element.  
 All screw connections are equipped with a wire protection spring.

Number of poles: 12

Rated current: 23 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: 12, Screw connection, Installation size: 8 |
| Order No.  | <a href="#">1651360000</a>   |
| Type       | HDC HVE 10+2 FS  |
| GTIN (EAN) | 4008190299965  |
| Qty.       | 1 items  |

**HDC HVE 10+2 FS**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 111 mm  | Depth (inches)  | 4.3701 inch |
| Height     | 35.2 mm | Height (inches) | 1.3858 inch |
| Width      | 34 mm   | Width (inches)  | 1.3386 inch |
| Net weight | 91.52 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 | 111 mm |
| Height of socket | 35.2 mm |                   |        |

**HDC HVE 10+2 FS**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**General data**

|                                       |              |                                       |   |
|---------------------------------------|--------------|---------------------------------------|---|
| Number of poles                       | 12           | Plugging cycles, silver               | ≥ 500   |
| Plugging cycles, gold                 | ≥ 500        | Type of connection                    | Screw connection  |
| Installation size                     | 8            | 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   |
| Max. torque for main contact          | 0.55 Nm      | Type                                  | Female  |
| Pollution severity                    | 3            | Tightening torque, min. PE connection | 1.2 Nm  |
| Basic material                        | Copper alloy | Min. torque for main contact          | 0.5 Nm  |
| 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                                    | 8   |
| Number of signal contacts             | 2            | Number of power contacts              | 10  |

**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 0.6 x 3.5        | Wire connection cross section AWG, max.   | AWG 14              |
| Stripping length, rated connection  | 9 mm                | Type of connection  | Screw connection    |
| Installation size   | 8                   | Volume resistance   | ≤2 mΩ               |
| Clamping screw  | M 3                 | Blade size  | size PZ0            |
| Wire connection cross section AWG, min.   | AWG 20              | 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.   | 0.5 mm <sup>2</sup> | Surface finish  | Silver passivated   |
| Max. torque for main contact  | 0.55 Nm             | Basic material  | Copper alloy        |
| Min. torque for main contact  | 0.5 Nm              | BG  | 8                   |

**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 |             |             |

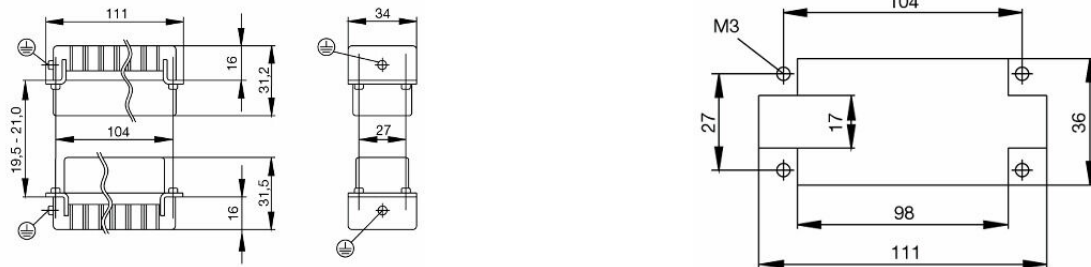
HDC HVE 10+2 FS

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

Drawings

www.weidmueller.com

Drawing



## HDC HVE 10+2 FS

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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                       |                          |

**HDC HVE 10+2 FS**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

**Accessories**

www.weidmueller.com

**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                     |  |