

**HDC insert  
HDC HE 16 FP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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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: **16**

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 16 FP                                                        |
| Order No.  | <a href="#">1873560000</a>                                          |
| Version    | HDC insert, Female, 500 V, 16 A, No. of poles: 16, PUSH IN, Size: 6 |
| GTIN (EAN) | 4032248458172                                                       |
| Qty.       | 1 pc(s).                                                            |

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**Technical data**
**Dimensions and weights**

|        |         |            |       |
|--------|---------|------------|-------|
| Length | 84.5 mm | Width      | 34 mm |
| Height | 33.8 mm | Net weight | 85 g  |

**Dimensions**

|                  |         |                   |         |
|------------------|---------|-------------------|---------|
| Height of socket | 33.8 mm | Total length base | 84.5 mm |
|------------------|---------|-------------------|---------|

**General data**

|                                      |                    |                                   |                                                             |
|--------------------------------------|--------------------|-----------------------------------|-------------------------------------------------------------|
| Size                                 | 6                  | 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                                                        |
| UL 94 flammability rating            | V-0                | Insulating material group         | IIIa                                                        |
| Insulation resistance                | 10 <sup>10</sup> Ω | Insulating material               | PC glass-fibre reinforced (UL-listed and railway-certified) |
| No. of poles                         | 16                 | Plugging cycles, silver           | ≥ 500                                                       |
| Operating temperature range, min.    | -40 °C             | Operating temperature range, max. | 125 °C                                                      |
| Pollution severity                   | 3                  | Type                              | Female                                                      |

**Connection data PE**

|                                                                                                                               |                   |                                                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Stripping length PE connection                                                                                                | 10 mm             | Wire connection cross-section, finely stranded, min.                                                                                  | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                                                          | 4 mm <sup>2</sup> | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 4 mm <sup>2</sup> | Wire connection cross section AWG, min.                                                                                               | AWG 20              |
| Wire connection cross section AWG, max.                                                                                       | AWG 14            | Wire cross-section, solid, min.                                                                                                       | 0.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                                                               | 4 mm <sup>2</sup> | Connection type PE                                                                                                                    | Screw connection    |
| Tightening torque, min. PE connection                                                                                         | 1.2 Nm            | Tightening torque, max. PE connection                                                                                                 | 1.5 Nm              |
| Rated cross-section                                                                                                           | 4 mm <sup>2</sup> | Fixing screw                                                                                                                          | M 4                 |
| Blade size, crosshead                                                                                                         | size PH1          | Blade size, slotted (PE connection)                                                                                                   | SD 0.8 x 4.0        |

**Rating data**

|                              |       |                                      |             |
|------------------------------|-------|--------------------------------------|-------------|
| Rated current (DIN EN 61984) | 16 A  | Rated impulse voltage (DIN EN 61984) | 6 kV        |
| Rated voltage (DIN EN 61984) | 500 V | Rated voltage according to UL/CSA    | 600 V AC/DC |

**Version**

|                                         |              |                                         |                   |
|-----------------------------------------|--------------|-----------------------------------------|-------------------|
| Wire connection cross section AWG, min. | AWG 20       | Wire connection cross section AWG, max. | AWG 14            |
| Stripping length, rated connection      | 10 mm        | Type of connection                      | PUSH IN           |
| Size                                    | 6            | Volume resistance                       | ≤ 2mΩ             |
| Blade size, slotted (screw connection)  | SD 0.5 x 3.0 | Surface finish                          | Silver passivated |
| Material                                | Copper alloy |                                         |                   |

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## Technical data

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001121    | UNSPSC     | 30-21-18-01 |
| eClass 5.1 | 27-14-34-19 | eClass 6.2 | 27-26-12-04 |
| eClass 7.1 | 27-44-02-05 |            |             |

### Product information

|                                 |                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text technical data | Rated voltage 630 V / 6 kV at pollution degree 2 wire connection end-ferrules and plastic collars max 1.5 mm <sup>2</sup> .<br>The H07V-U4 conductor can be clamped on. |
| Descriptive text accessories    | Accessories, see chapter J - Tools, see chapter K                                                                                                                       |

### Approvals

Approvals



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

### Downloads

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| PDF                       | <a href="#">1873560000_HDC_HE_16_FP_STP_Blatt_1.pdf</a> |
| IGES                      | <a href="#">1873560000_HDC_HE_16_FP_STP.igs</a>         |
| VRML                      | <a href="#">1873560000_HDC_HE_16_FP_STP.wrl</a>         |
| <a href="#">3-D model</a> |                                                         |

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## Drawings

