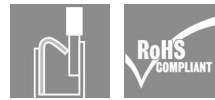


**HDC insert  
HDC HE 16 MP**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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: **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 MP  |
| Order No.  | <a href="#">1873570000</a>  |
| Version    | HDC insert, Male, 500 V, 16 A, No. of poles: 16, PUSH IN, Size: 6 |
| GTIN (EAN) | 4032248458189   |
| Qty.       | 1 pc(s).  |

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

|        |         |            |       |
|--------|---------|------------|-------|
| Length | 84.5 mm | Width      | 34 mm |
| Height | 34.3 mm | Net weight | 78 g  |

**Dimensions**

|                |         |                   |         |
|----------------|---------|-------------------|---------|
| Height of plug | 34.3 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                              | Male  |

**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 |   |                   |

**Data sheet**

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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> . 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="#">1873570000_HDC_HE_16_MP_STP_Blatt_1.pdf</a> |
| IGES                      | <a href="#">1873570000_HDC_HE_16_MP_STP.igs</a>         |
| VRML                      | <a href="#">1873570000_HDC_HE_16_MP_STP.wrl</a>         |
| <a href="#">3-D model</a> |   |

**Data sheet****HDC insert  
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**Drawings**