

**HDC insert  
HDC HD 7 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

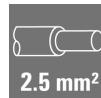
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



The HD range features a high density of contacts. It is thus optimally suited for signal processing.  
The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades.

Crimp contacts are not delivered with the inserts.

Number of poles: **7 - 8**

Rated current: **10 A**

Rated voltage: 42/**250 V**

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

Crimp connection

**General ordering data**

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Type       | HDC HD 7 MC                                                                 |
| Order No.  | <a href="#">1650570000</a>                                                  |
| Version    | HDC insert, Pin, 250 V, 10 A, Number of poles: 7, Crimp connection, Size: 1 |
| GTIN (EAN) | 4008 190870942                                                              |
| Qty.       | 1 pc(s).                                                                    |

## HDC insert HDC HD 7 MC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

## Technical data

### Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Width      | 21    | Width (inches)  | 0.827 inch |
| Height     | 34 mm | Height (inches) | 1.339 inch |
| Depth      | 21 mm | Depth (inches)  | 0.827 inch |
| Net weight | 10 g  |                 |            |

### Temperatures

|                   |                   |
|-------------------|-------------------|
| Limit temperature | -40 °C ... 125 °C |
|-------------------|-------------------|

### Environmental Product Compliance

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Potassium perfluorobutane<br>sulfonate 29420-49-3 |
|------------|----------------------------------------------------------------------|

### Dimensions

|                |       |                   |       |
|----------------|-------|-------------------|-------|
| Height of plug | 34 mm | Total length base | 21 mm |
|----------------|-------|-------------------|-------|

### General data

|                              |                     |                                      |                                                                    |
|------------------------------|---------------------|--------------------------------------|--------------------------------------------------------------------|
| Conductor cross-section      | 2.5 mm <sup>2</sup> | Insulating material                  | PC glass-fibre reinforced<br>(UL-listed and railway-<br>certified) |
| Insulating material group    | IIIa                | Insulation strength                  | 10 <sup>10</sup> Ω                                                 |
| Number of poles              | 7                   | Plugging cycles, gold                | ≥ 500                                                              |
| Plugging cycles, silver      | ≥ 500               | Pollution severity                   | 3                                                                  |
| Rated current (DIN EN 61984) | 10 A                | Rated impulse voltage (DIN EN 61984) | 4 kV                                                               |
| Rated voltage (DIN EN 61984) | 250 V               | Rated voltage according to UL/CSA    | 600 V AC/DC                                                        |
| Series                       | HD                  | Size                                 | 1                                                                  |
| Type                         | Pin                 | UL 94 flammability rating            | V-0                                                                |
| Volume resistance            | ≤ 4mΩ               |                                      |                                                                    |

### Connection data PE

|                                                                                               |                     |                                                                                               |                     |
|-----------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|---------------------|
| Connection type PE                                                                            | Crimp connection    | Rated cross-section                                                                           | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely<br>stranded, max.                                       | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely<br>stranded, min.                                       | 0.5 mm <sup>2</sup> |
| Wire cross section, AWG (PE), max.                                                            | AWG 14              | Wire cross section, AWG (PE), min.                                                            | AWG 20              |
| Wire cross-section, solid, max.                                                               | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.                                                               | 0.5 mm <sup>2</sup> |

## HDC insert HDC HD 7 MC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Version

|                                                                                         |                     |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross-section, max.                                                           | 2.5 mm <sup>2</sup> | Conductor cross-section, min.                                                           | 0.14 mm <sup>2</sup> |
| Size                                                                                    | 1                   | Stripping length, rated connection                                                      | 8 mm                 |
| Type of connection                                                                      | Crimp connection    | Volume resistance                                                                       | ≤ 4mΩ                |
| Wire connection cross section AWG, max.                                                 | AWG 14              | Wire connection cross section AWG, min.                                                 | AWG 26               |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 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, min.                                    | 0.5 mm <sup>2</sup>  |
| Wire cross-section, solid, max.                                                         | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.                                                         | 0.5 mm <sup>2</sup>  |

### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0   | EC000438    |
| eClass 9.0  | 27-44-02-05 | eClass 9.1 | 27-44-02-05 |
| eClass 10.0 | 27-44-02-05 | UNSPSC     | 30-21-18-01 |

### Product information

Product information Kann nur in Kunststoffgehäusen verwendet werden. Can only be used in plastic housings.

### Approvals

Approvals



### Downloads

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 3 HDC 17/18 EN</a><br><a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN, WSCAD</a>                                            |
| Engineering Data   | <a href="#">STEP</a>                                                    |

### HDC insert HDC HD 7 MC

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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

## Drawings

