

**HDC insert  
HDC HDD 24 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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www.weidmueller.com



The HDD series with machined crimp contacts is designed for high pole counts in tight spaces. Users save installation space with the smaller design, without having to limit the number of poles.

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: **24**

Rated current: **10 A**

Rated voltage: **250 V**

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

Crimp connection

**General ordering data**

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| Type       | HDC HDD 24 MC                                                                |
| Order No.  | <a href="#">1651150000</a>                                                   |
| Version    | HDC insert, Pin, 250 V, 10 A, Number of poles: 24, Crimp connection, Size: 3 |
| GTIN (EAN) | 4008190299750                                                                |
| Qty.       | 1 pc(s).                                                                     |

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## Technical data

### Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Width      | 34    | Width (inches)  | 1.339 inch |
| Height     | 35 mm | Height (inches) | 1.378 inch |
| Depth      | 51 mm | Depth (inches)  | 2.008 inch |
| Net weight | 40 g  |                 |            |

### Temperatures

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

### Environmental Product Compliance

|            |                                                |
|------------|------------------------------------------------|
| REACH SVHC | Potassium perfluorobutane sulfonate 29420-49-3 |
|------------|------------------------------------------------|

### Dimensions

|                |       |                   |       |
|----------------|-------|-------------------|-------|
| Height of plug | 35 mm | Total length base | 51 mm |
|----------------|-------|-------------------|-------|

### General data

|                              |                     |                                      |                                                             |
|------------------------------|---------------------|--------------------------------------|-------------------------------------------------------------|
| Conductor cross-section      | 2.5 mm <sup>2</sup> | Insulating material                  | PC glass-fibre reinforced (UL-listed and railway-certified) |
| Insulating material group    | IIIa                | Insulation strength                  | 10 <sup>10</sup> Ω                                          |
| Number of poles              | 24                  | 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                       | HDD                 | Size                                 | 3                                                           |
| Type                         | Pin                 | UL 94 flammability rating            | V-0                                                         |
| Volume resistance            | ≤ 4mΩ               |                                      |                                                             |

### Connection data PE

|                                                                                         |                     |                                                                                         |                            |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------------|
| Blade size, crosshead                                                                   | size PZ 1           | Blade size, slotted (PE connection)                                                     | SD 0.6 x 3.5, SD 0.8 x 4.0 |
| Connection type PE                                                                      | Screw connection    | Fixing screw                                                                            | M 4                        |
| Rated cross-section                                                                     | 2.5 mm <sup>2</sup> | Stripping length PE connection                                                          | 10 mm                      |
| Tightening torque, max. PE connection                                                   | 1.5 Nm              | Tightening torque, min. PE connection                                                   | 1.2 Nm                     |
| 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, 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>        |

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## Technical data

### Version

|                                                                                         |                     |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross-section, max.                                                           | 2.5 mm <sup>2</sup> | Conductor cross-section, min.                                                           | 0.14 mm <sup>2</sup> |
| Size                                                                                    | 3                   | 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 |

### Approvals

Approvals



ROHS

Conform

### 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>                                                    |

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## Drawings

