

**HDC HE 16 N MQT BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**SNAP IN** 

With the SNAP IN connection, the conductor connection level is already open and the stripped connector can be simply inserted. In the end position, the patented clamping mechanism closes automatically. As a result, it requires virtually no maintenance and a safe, permanent and vibration-proof connection is established. Weidmüller is therefore the first and only manufacturer to offer this innovative connection system.

**General ordering data**

|            |  |
|------------|--|
| Version    | HDC insert, Male, 500 V, 16 A, Number of poles: 16, SNAP IN, Size: 6 |
| Order No.  | <a href="#">2535090000</a>   |
| Type       | HDC HE 16 N MQT BL   |
| GTIN (EAN) | 4050118578225  |
| Qty.       | 1 pc(s).   |

## HDC HE 16 N MQT BL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 84.5 mm | Depth (inches)  | 3.327 inch |
| Height     | 36.9 mm | Height (inches) | 1.453 inch |
| Width      | 34 mm   | Width (inches)  | 1.339 inch |
| Net weight | 78 g    |                 |            |

## Temperatures

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

## Dimensions

|       |       |
|-------|-------|
| Width | 34 mm |
|-------|-------|

## General data

|                              |  |                                      |             |
|------------------------------|--|--------------------------------------|-------------|
| BG                           | 6  | Free from halogens                   | true        |
| Insulating material          | PC glass-fibre reinforced (UL-listed and railway-certified), PA 66/6 | Insulating material group            | IIIa        |
| Insulation strength          | 10 <sup>10</sup> Ω   | Low smoke acc. DIN EN 45545-2        | Yes         |
| Material                     | Copper alloy   | Number of poles                      | 16          |
| Plugging cycles, silver      | ≥ 500  | Pollution severity                   | 3           |
| 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 |
| Series                       | HE   | Size                                 | 6           |
| Surface finish               | Silver passivated  | Type                                 | Male        |
| Type of connection           | SNAP IN  | UL 94 flammability rating            | V-0         |
| Volume resistance            | ≤2 mΩ  |                                      |             |

## Connection data PE

|                                       |              |                                       |                   |
|---------------------------------------|--------------|---------------------------------------|-------------------|
| Blade size, slotted (PE connection)   | SD 0.8 x 4.0 | Connection type PE                    | Screw connection  |
| Fixing screw                          | M 4          | Rated cross-section                   | 4 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 cross section, AWG (PE), max.    | AWG 12            |
| Wire cross section, AWG (PE), min.    | AWG 20       |                                       |                   |

## Version

|   |                     |   |                   |
|---|---------------------|---|-------------------|
| BG  | 6                   | Blade size  | SD 0.6 x 3.5      |
| Conductor cross-section, max.   | 2.5 mm <sup>2</sup> | Conductor cross-section, min.   | 1 mm <sup>2</sup> |
| Material  | Copper alloy        | Size  | 6                 |
| Stripping length, rated connection  | 10 mm               | Surface finish  | Silver passivated |
| Type of connection  | SNAP IN             | Volume resistance   | ≤2 mΩ             |
| Wire connection cross section AWG, max.   | AWG 16              | Wire connection cross section AWG, min.   | AWG 20            |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 1 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.   | 1 mm <sup>2</sup> |

## HDC HE 16 N MQT BL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0    | EC000438    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ECLASS 9.0  | 27-44-02-05 | ECLASS 9.1  | 27-44-02-05 |
| ECLASS 10.0 | 27-44-02-05 | ECLASS 11.0 | 27-44-02-05 |
| ECLASS 12.0 | 27-44-02-05 | ECLASS 13.0 | 27-44-02-05 |

## Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP       | e98b2b24-ba23-41bf-8d19-0dda3647412f                          |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E92202     |

## Downloads

|                             |  |
|-----------------------------|--|
| Engineering Data            | <a href="#">CAD data – STEP</a>  |
| Product Change Notification | <a href="#">Technische Änderung zu HDC HE SNAPIN Kontakteinsätzen</a><br><a href="#">Technical change to HDC HE SNAPIN contact inserts</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>   |

### HDC HE 16 N MQT BL

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Drawings

