

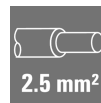
**HDC HE 16 MS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For the screw connection, the wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Number of poles: 16

Rated current: 16 A

Rated voltage: 500 V

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

Screw connection

**General ordering data**

|            |  |
|------------|--|
| Version    | HDC insert, Male, 500 V, 16 A, Number of poles: 16, Screw connection, Installation size: 6 |
| Order No.  | <a href="#">1207500000</a>   |
| Type       | HDC HE 16 MS   |
| GTIN (EAN) | 4008190154790  |
| Qty.       | 1 items  |

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**Technical data**

**Approvals**

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E92202                     |

**Dimensions and weights**

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 84.5 mm | Depth (inches)  | 3.3268 inch |
| Height     | 35.7 mm | Height (inches) | 1.4055 inch |
| Width      | 34 mm   | Width (inches)  | 1.3386 inch |
| Net weight | 81.84 g |                 |             |

**Temperatures**

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

**Environmental Product Compliance**

|                                      |  |
|--------------------------------------|--|
| RoHS Compliance Status               | Compliant with exemption                                       |
| RoHS Exemption (if applicable/known) | 6c   |
| REACH SVHC                           | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP                                 | e98b2b24-ba23-41bf-8d19-Odda3647412f                           |

|                     |                          |                           |
|---------------------|--------------------------|---------------------------|
| Chemical resistance | Substance                | Acetone                   |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Ammonia, watery           |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Petrol                    |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Benzene                   |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Diesel oil                |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Acetic acid, concentrated |
|                     | Chemical resistance      | Resistant                 |
|                     | Substance                | Potassium hydroxide       |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Methanol                  |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Motor oil                 |
|                     | Chemical resistance      | Conditionally resistant   |
|                     | Substance                | Lye, diluted              |
|                     | Chemical resistance      | Resistant                 |
| Substance           | Hydrochlorofluorocarbons |                           |
| Chemical resistance | Conditionally resistant  |                           |
| Substance           | Outdoor use              |                           |
| Chemical resistance | Conditionally resistant  |                           |

**Dimensions**

|                |         |                   |         |
|----------------|---------|-------------------|---------|
| Width          | 34 mm   | Total length base | 84.5 mm |
| Height of plug | 35.7 mm |                   |         |

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## Technical data

## General data

|                                      |   |                                   |        |
|--------------------------------------|---|-----------------------------------|--------|
| Number of poles                      | 16  |                                   |        |
| Plugging cycles, silver              | ≥ 500   |                                   |        |
| Type of connection                   | Screw connection  |                                   |        |
| Installation size                    | 6   |                                   |        |
| UL 94 flammability rating            | V-0   |                                   |        |
| Volume resistance                    | ≤2 mΩ   |                                   |        |
| Colour                               | beige   |                                   |        |
| Insulation resistance                | 1010 Ω  |                                   |        |
| Insulating material                  | PC glass-fibre reinforced (UL-listed and railway-certified) |                                   |        |
| Insulating material group            | IIIa  |                                   |        |
| Conductor cross-section              | 2.5 mm <sup>2</sup>   |                                   |        |
| Surface finish                       | Silver passivated   |                                   |        |
| Max. torque for main contact         | 0.55 Nm   |                                   |        |
| Type                                 | Male  |                                   |        |
| Pollution severity                   | 3   |                                   |        |
| Basic material                       | Copper alloy  |                                   |        |
| Min. torque for main contact         | 0.5 Nm  |                                   |        |
| 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  |                                   |        |
| Rated current (UR)                   | Wire connection cross section AWG                           | AWG 12                            |        |
|                                      | Rated current   | 20 A                              |        |
|                                      | Wire connection cross section AWG                           | AWG 14                            |        |
|                                      | Rated current   | 15 A                              |        |
|                                      | Wire connection cross section AWG                           | AWG 16                            |        |
|                                      | Rated current   | 10 A                              |        |
|                                      | Wire connection cross section AWG                           | AWG 18                            |        |
|                                      | Rated current   | 7 A                               |        |
|                                      | Wire connection cross section AWG                           | AWG 20                            |        |
|                                      | Rated current   | 5 A                               |        |
|                                      | Rated current (cUR)   | Wire connection cross section AWG | AWG 12 |
|                                      |   | Rated current                     | 19.7 A |
|                                      |   | Wire connection cross section AWG | AWG 14 |
|                                      |   | Rated current                     | 15 A   |
| Wire connection cross section AWG    |   | AWG 16                            |        |
| Rated current                        |   | 11.3 A                            |        |
| Wire connection cross section AWG    |   | AWG 18                            |        |
| Rated current                        |   | 10.3 A                            |        |
| Wire connection cross section AWG    |   | AWG 20                            |        |
| Rated current                        |   | 8 A                               |        |
| Free from halogens                   | true  |                                   |        |
| Low smoke acc. DIN EN 45545-2        | Yes   |                                   |        |
| BG                                   | 6   |                                   |        |

## Connection data PE

|                                       |                   |                                       |              |
|---------------------------------------|-------------------|---------------------------------------|--------------|
| Connection type PE                    | Screw connection  | Blade size, slotted (PE connection)   | SD 0.8 x 4.0 |
| Stripping length PE connection        | 10 mm             | Tightening torque, max. PE connection | 1.5 Nm       |
| Tightening torque, min. PE connection | 1.2 Nm            | Fixing screw                          | M 4          |
| Rated cross-section                   | 4 mm <sup>2</sup> | Wire cross section, AWG (PE), min.    | AWG 20       |
| Wire cross section, AWG (PE), max.    | AWG 12            |                                       |              |

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## Technical data

### Version

|  |                     |   |                     |
|--|---------------------|---|---------------------|
| Blade size, slotted (screw connection)               | SD 0.6 x 3.5        | Wire connection cross section AWG, max.   | AWG 14              |
| Stripping length, rated connection                   | 9 mm                | Type of connection  | Screw connection    |
| Installation size                                    | 6                   | Volume resistance   | ≤2 mΩ               |
| Clamping screw                                       | M 3                 | Blade size  | size PH1            |
| Wire connection cross section AWG, 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> | 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, max. | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Conductor cross-section, max.                        | 2.5 mm <sup>2</sup> | Conductor cross-section, min.   | 0.5 mm <sup>2</sup> |
| Surface finish                                       | Silver passivated   | Max. torque for main contact  | 0.55 Nm             |
| Basic material                                       | Copper alloy        | Min. torque for main contact  | 0.5 Nm              |
| BG   | 6                   |   |                     |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0    | EC000438    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-44-02-05 |
| ECLASS 15.0 | 27-44-02-05 |             |             |

Drawings

