



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1650710000   |
| Part designation | HDC HD 16 MC   |
| Version          | HDC insert, Pin, 250 V, 10 A, Poles: 16 + PE,<br>Crimp connection, BG: 3 |
| EAN              | 4008190437909  |
| Qty.             | 1 pc(s).   |

#### Product notes

|                   |   |
|-------------------|---|
| Function          | For turned contacts                                       |
| Note, accessories | For additional accessories, refer to Accessories chapter. |

#### Dimensions

|                |         |
|----------------|---------|
| High plug B    | 39.3 mm |
| Total length A | 49.8 mm |

#### General data

|                           |   |
|---------------------------|---|
| Colour                    | beige   |
| Insulating material group | IIIa  |
| Insulation material       | PC glass-fibre reinforced (UL-listed and railway-certified) |
| Insulation resistance     | $10^{10} \Omega$  |
| No. of poles, total       | 16 + PE   |
| Plugging cycles, gold     | $\geq 500$  |
| Plugging cycles, silver   | $\geq 500$  |
| Pollution severity        | 3   |
| Temperature, max.         | 125 °C  |
| Temperature, min.         | -40 °C  |
| UL 94 flammability class  | V-0   |
| Size                      | 3   |
| Series                    | HD  |
| Type                      | Pin   |
| Type designation          | HD 16   |

**Connection data PE**

|   |                     |
|---|---------------------|
| Rated cross-section                                     | 2.5 mm <sup>2</sup> |
| Fixing screw  | M 4                 |
| Min. tightening torque                                  | 1.2 Nm              |
| Blade size, crosshead                                   | size PH1            |
| Max. tightening torque                                  | 1.5 Nm              |
| Blade size, slotted                                     | SD 0.8 x 4.0        |
| Stripping length  | 10 mm               |
| Max. connection cross-section, solid                    | 0.5 mm <sup>2</sup> |
| Min. connection cross-section, solid                    | 2.5 mm <sup>2</sup> |
| Min. connection cross-section, stranded                 | 0.5 mm <sup>2</sup> |
| Connection type PE                                      | Screw connection    |
| Max. connection cross-section, stranded                 | 2.5 mm <sup>2</sup> |
| Min. connection cross-section "f" with wire end ferrule | 0.5 mm <sup>2</sup> |
| Max. connection cross-section "f" with wire end ferrule | 2.5 mm <sup>2</sup> |
| AWG, min.   | AWG 20              |
| AWG, max.   | AWG 14              |

**Rating data**

|                                      |             |
|--------------------------------------|-------------|
| Rated voltage (DIN EN 61984)         | 250 V       |
| Rated current (DIN EN 61984)         | 10 A        |
| Rated voltage according to UL/CSA    | 600 V AC/DC |
| Rated impulse voltage (DIN EN 61984) | 4 kV        |

**Version**

|                                |                      |
|--------------------------------|----------------------|
| Type of connection             | Crimp connection     |
| Stripping length               | 8 mm                 |
| Connection cross-section, min. | 0.14 mm <sup>2</sup> |
| Connection cross-section, max. | 2.5 mm <sup>2</sup>  |
| AWG, min.                      | AWG 26               |
| AWG, max.                      | AWG 14               |
| Size                           | 3                    |
| Volume resistance              | ≤ 4mΩ                |

**Approvals**

Approvals institutes

**Classifications**

|            |             |
|------------|-------------|
| ETIM 2.0   | EC001121    |
| ETIM 3.0   | EC001121    |
| eClass 4.1 | 27-14-08-05 |
| eClass 5.0 | 27-14-34-19 |
| eClass 5.1 | 27-14-34-19 |

### Similar products

| Order No.  | Part designation | Version  |
|------------|------------------|--|
| 1650660000 | HDC HD 15 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2           |
| 1650650000 | HDC HD 15 MC     | HDC insert, Pin, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2              |
| 1650720000 | HDC HD 16 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 16 + PE, Crimp connection, BG: 3           |
| 1650890000 | HDC HD 24 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4           |
| 1650870000 | HDC HD 24 MC     | HDC insert, Pin, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4              |
| 1650820000 | HDC HD 25 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5           |
| 1023050000 | HDC HD 25 FC "Z" | HDC-Einsatz, Buchse, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5 |
| 1650810000 | HDC HD 25 MC     | HDC insert, Pin, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5              |
| 1023040000 | HDC HD 25 MC "Z" | HDC-Einsatz, Stift, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5  |
| 1601730000 | HDC HD 40 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6           |
| 1601710000 | HDC HD 40 MC     | HDC insert, Pin, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6              |
| 1601740000 | HDC HD 64 FC     | HDC insert, Socket, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12          |
| 1601720000 | HDC HD 64 MC     | HDC insert, Pin, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12             |
| 1650580000 | HDC HD 7 FC      | HDC insert, Socket, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1            |
| 1650570000 | HDC HD 7 MC      | HDC insert, Pin, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1               |
| 1650600000 | HDC HD 8 FC      | HDC insert, Socket, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1                 |
| 1650590000 | HDC HD 8 MC      | HDC insert, Pin, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1                    |