

**HDC insert  
HDC S6 6 BAS**

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The MixMate series of connectors can simultaneously transmit high rated currents and voltages as well as signals. An axial screw can be used to secure the wire.  
Axial screw connection TOP connection

**General ordering data**

|            |   |
|------------|---|
| Type       | HDC S6 6 BAS  |
| Order No.  | <a href="#">1790020000</a>  |
| Version    | HDC insert, Female, 690 V, 100 A, No. of poles: 12, Axial screw connection, Screw connection, Size: 8 |
| GTIN (EAN) | 4032248212088   |
| Qty.       | 10 pc(s).   |

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## Technische Daten

### Dimensions and weights

|        |         |            |         |
|--------|---------|------------|---------|
| Length | 111 mm  | Width      | 34 mm   |
| Height | 50.8 mm | Net weight | 313.9 g |

### Dimensions

|                  |         |                   |        |
|------------------|---------|-------------------|--------|
| Height of socket | 50.8 mm | Total length base | 111 mm |
|------------------|---------|-------------------|--------|

### General data

|                                      |                    |                                   |   |
|--------------------------------------|--------------------|-----------------------------------|---|
| Size                                 | 8                  | Series                            | MixMate   |
| Rated voltage (DIN EN 61984)         | 690 V              | Rated voltage according to UL/CSA | 600 V AC/DC   |
| Rated impulse voltage (DIN EN 61984) | 8 kV               | Rated current (DIN EN 61984)      | 100 A   |
| UL 94 flammability rating            | V-0                | Insulating material group         | IIIa  |
| Insulation resistance                | 10 <sup>10</sup> Ω | Insulating material               | PC glass-fibre reinforced (UL-listed and railway-certified) |
| No. of poles                         | 12                 | Plugging cycles, silver           | ≥ 500   |
| Pollution severity                   | 3                  | Type                              | Female  |

### Connection data PE

|  |                    |  |                                 |
|--|--------------------|--|---------------------------------|
| Stripping length PE connection                       | 8 mm               | Wire connection cross-section, finely stranded, min. | 16 mm <sup>2</sup>              |
| Wire connection cross section, finely stranded, max. | 35 mm <sup>2</sup> | Wire connection cross section AWG, min.              | AWG 6                           |
| Wire connection cross section AWG, max.              | AWG 2              | Connection type PE                                   | Screw connection, Miscellaneous |
| Tightening torque, min. PE connection                | 6 Nm               | Tightening torque, max. PE connection                | 8 Nm                            |
| Rated cross-section                                  | 35 mm <sup>2</sup> |  |                                 |

### Rating data

|                              |       |                                      |             |
|------------------------------|-------|--------------------------------------|-------------|
| Rated current (DIN EN 61984) | 100 A | Rated impulse voltage (DIN EN 61984) | 8 kV        |
| Rated voltage (DIN EN 61984) | 690 V | Rated voltage according to UL/CSA    | 600 V AC/DC |

### Version

|   |               |   |  |
|---|---------------|---|--|
| Wire connection cross section AWG, min. | AWG 6         | Wire connection cross section AWG, max. | AWG 2                                    |
| Stripping length, rated connection      | 13 mm         | Type of connection                      | Axial screw connection, Screw connection |
| Min. torque for main contact            | 6 Nm          | Max. torque for main contact            | 8 Nm                                     |
| Size                                    | 8             | Volume resistance                       | ≤ 1 mΩ                                   |
| Clamping screw                          | M 7 x 0.75 mm | Surface finish                          | Silver passivated                        |
| Material                                | Copper alloy  |   |  |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC002413    | UNSPSC     | 30-21-18-01 |
| eClass 5.1 | 27-14-34-19 | eClass 6.2 | 27-26-12-90 |
| eClass 7.1 | 27-44-02-90 |            |             |

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**Technische Daten****Product information**

|                                 |  |
|---------------------------------|--|
| Descriptive text ordering data  | The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.   |
| Descriptive text technical data | Rated voltage 1000 V / 8 kV at pollution degree 2. PE connection using a middle axial screw connection to receive the wire in the same way as a power contact. |
| Descriptive text accessories    | Accessories, see chapter J - Tools, see chapter K  |

**Approvals**

Approvals



ROHS

Conform

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**Zeichnungen**

