

**HDC insert
HDC S4 0 BAS**

Weidmüller Interface GmbH & Co. KG
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 www.weidmueller.com



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 S4 0 BAS |
| Order No. | 1789970000 |
| Version | HDC insert, Female, 830 V, 80 A, No. of poles: 4, Axial screw connection, Size: 6 |
| GTIN (EAN) | 4032248212033 |
| Qty. | 10 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|---------|------------|---------|
| Length | 84.5 mm | Width | 34 mm |
| Height | 46 mm | Net weight | 121.6 g |

Dimensions

| | | | |
|------------------|-------|-------------------|---------|
| Height of socket | 46 mm | Total length base | 84.5 mm |
|------------------|-------|-------------------|---------|

General data

| | | | |
|--------------------------------------|--------------------|-----------------------------------|---|
| Size | 6 | Series | MixMate |
| Rated voltage (DIN EN 61984) | 830 V | Rated voltage according to UL/CSA | 600 V AC/DC |
| Rated impulse voltage (DIN EN 61984) | 8 kV | Rated current (DIN EN 61984) | 80 A |
| UL 94 flammability rating | V-0 | Insulating material group | IIIa |
| Insulation resistance | 10 ¹⁰ Ω | Insulating material | PC glass-fibre reinforced (UL-listed and railway-certified) |
| Conductor cross-section | 16 mm ² | No. of poles | 4 |
| 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. | 1.5 mm ² |
| Wire connection cross section, finely stranded, max. | 16 mm ² | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 16 mm ² | Wire connection cross section AWG, min. | AWG 16 |
| Wire connection cross section AWG, max. | AWG 6 | Wire cross-section, solid, min. | 1.5 mm ² |
| Wire cross-section, solid, max. | 16 mm ² | Connection type PE | Screw connection |
| Tightening torque, min. PE connection | 2 Nm | Tightening torque, max. PE connection | 2.5 Nm |
| Rated cross-section | 16 mm ² | Fixing screw | M 5 |
| Blade size, crosshead | Gr. PZ2 | Blade size, slotted (PE connection) | SD 0.8 x 4.0 |

Rating data

| | | | |
|------------------------------|-------|--------------------------------------|-------------|
| Rated current (DIN EN 61984) | 80 A | Rated impulse voltage (DIN EN 61984) | 8 kV |
| Rated voltage (DIN EN 61984) | 830 V | Rated voltage according to UL/CSA | 600 V AC/DC |

Version

| | | | |
|---|--------------|---|------------------------|
| Wire connection cross section AWG, min. | AWG 16 | Wire connection cross section AWG, max. | AWG 6 |
| Stripping length, rated connection | 13 mm | Type of connection | Axial screw connection |
| Min. torque for main contact | 2 Nm | Max. torque for main contact | 3 Nm |
| Size | 6 | Volume resistance | ≤ 1 mΩ |
| Clamping screw | M 10 x 1 mm | Surface finish | Silver passivated |
| Material | Copper alloy | | |

Datenblatt

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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 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | Rated voltage 1000 V / 8 kV at pollution degree 2 |
| Descriptive text accessories | Accessories, see chapter J - Tools, see chapter K |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

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Zeichnungen