

**HDC insert  
HDC S4 SAS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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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**

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| Order No.  | <a href="#">1789990000</a>                                                       |
| Type       | HDC S4 SAS                                                                       |
| Version    | HDC insert, Male, 1000 V, 65 A, No. of poles: 4, Axial screw connection, Size: 3 |
| GTIN (EAN) | 4032248212057                                                                    |

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**Technical data**
**Dimensions**

|        |         |       |       |
|--------|---------|-------|-------|
| Length | 51 mm   | Width | 34 mm |
| Height | 41.3 mm |       |       |

**Dimensions**

|                |         |                   |       |
|----------------|---------|-------------------|-------|
| Height of plug | 41.3 mm | Total length base | 51 mm |
|----------------|---------|-------------------|-------|

**General data**

|                                      |                    |                                   |                                                             |
|--------------------------------------|--------------------|-----------------------------------|-------------------------------------------------------------|
| Size                                 | 3                  | Series                            | MixMate                                                     |
| Rated voltage (DIN EN 61984)         | 1,000 V            | Rated voltage according to UL/CSA | 600 V AC/DC                                                 |
| Rated impulse voltage (DIN EN 61984) | 8 kV               | Rated current (DIN EN 61984)      | 65 A                                                        |
| Flammability class UL 94             | V-0                | Insulating material group         | IIla                                                        |
| Insulation resistance                | 10 <sup>10</sup> Ω | Insulating material               | PC glass-fibre reinforced (UL-listed and railway-certified) |
| No. of poles                         | 4                  | Plugging cycles, silver           | ≥ 500                                                       |
| Pollution severity                   | 3                  | Type                              | Male                                                        |

**Connection data PE**

|                                                                                                                               |                    |                                                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Stripping length PE connection                                                                                                | 8 mm               | Wire connection cross-section, finely stranded, min.                                                                                  | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                                                          | 10 mm <sup>2</sup> | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 10 mm <sup>2</sup> | Wire connection cross section AWG, min.                                                                                               | AWG 14              |
| Wire connection cross section AWG, max.                                                                                       | AWG 8              | Wire cross-section, solid, min.                                                                                                       | 1.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                                                               | 10 mm <sup>2</sup> | Connection type PE                                                                                                                    | Screw connection    |
| Tightening torque, min. PE connection                                                                                         | 0.5 Nm             | Tightening torque, max. PE connection                                                                                                 | 0.8 Nm              |
| Rated cross-section                                                                                                           | 10 mm <sup>2</sup> | Fixing screw                                                                                                                          | M 4                 |
| Blade size, slotted (PE connection)                                                                                           | SD 0,6 x 3,5       |                                                                                                                                       |                     |

**Rating data**

|                              |         |                                      |             |
|------------------------------|---------|--------------------------------------|-------------|
| Rated current (DIN EN 61984) | 65 A    | Rated impulse voltage (DIN EN 61984) | 8 kV        |
| Rated voltage (DIN EN 61984) | 1,000 V | Rated voltage according to UL/CSA    | 600 V AC/DC |

**Version**

|                                         |               |                                         |                        |
|-----------------------------------------|---------------|-----------------------------------------|------------------------|
| Wire connection cross section AWG, min. | AWG 14        | Wire connection cross section AWG, max. | AWG 8                  |
| Stripping length, rated connection      | 8 mm          | Type of connection                      | Axial screw connection |
| Min. torque for main contact            | 1.1 Nm        | Max. torque for main contact            | 1.7 Nm                 |
| Size                                    | 3             | Volume resistance                       | ≤ 1 mΩ                 |
| Clamping screw                          | M 7 x 0.75 mm | Surface finish                          | Silver passivated      |
| Material                                | Copper alloy  |                                         |                        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001121    | ETIM 3.0   | EC002413    |
| ETIM 4.0   | EC001121    | UNSPSC     | 30-21-18-01 |
| eClass 4.1 | 27-14-08-05 | eClass 5.1 | 27-14-34-19 |
| eClass 6.0 | 27-26-12-90 | eClass 7.0 | 27-44-02-90 |

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|                                 |                                                                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | Combine these inserts only with housings with a high design (Size 16D).                                                                                                                                    |
| Descriptive text technical data | Rated voltage 1000 V / 8 kV at pollution degree 2. The S 4 insert is equipped with two different PE connection space sizes. Conductor opening: left max. 4 mm <sup>2</sup> , right max. 10 mm <sup>2</sup> |
| Descriptive text accessories    | Accessories, see chapter J - Tools, see chapter K                                                                                                                                                          |

**Approvals**

Approvals



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**Drawings**

