



General ordering data

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| Order No. | 1789990000 |
| Part designation | HDC S4 SAS |
| Version | HDC insert, Pin, 1000 V, 65 A, Poles: 4 + PE, Axial screw connection, Size: 3 |
| EAN | 4032248212057 |
| Qty. | 10 pc(s). |

Product notes

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| Note, ordering data | Please note: only use for housings of size 16D |
| Note, technical data | The S 4 insert is equipped with two different PE connection space sizes. Conductor opening: left max. 4 mm ² , right max. 10 mm ² |
| Note, accessories | Use spanner size 3 AF for axial screw connection For additional accessories, refer to Accessories chapter. |

Dimensions

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| High plug B | 41.3 mm |
| Total length A | 51 mm |

General data

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|---------------------------|---|
| 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 | 4 + PE |
| Plugging cycles, silver | ≥ 500 |
| Pollution severity | 3 |
| Temperature, max. | 125 °C |
| Temperature, min. | -40 °C |
| UL 94 flammability class | V-0 |
| Size | 3 |
| Series | MixMate |
| Type | Pin |
| Type designation | S4 |

Connection data PE

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|---|---------------------|
| Rated cross-section | 10 mm ² |
| Fixing screw | M 3 |
| Min. tightening torque | 0.5 Nm |
| Max. tightening torque | 0.8 Nm |
| Blade size, slotted | SD 0.6 x 3.5 |
| Stripping length | 8 mm |
| Max. connection cross-section, solid | 0.5 mm ² |
| Min. connection cross-section, solid | 10 mm ² |
| Min. connection cross-section, stranded | 0.5 mm ² |
| Connection type PE | Screw connection |
| Max. connection cross-section, stranded | 10 mm ² |
| Min. connection cross-section "f" with wire end ferrule | 0.5 mm ² |
| Max. connection cross-section "f" with wire end ferrule | 10 mm ² |
| AWG, min. | AWG 14 |
| AWG, max. | AWG 8 |

Rating data

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

Version

| | |
|------------------------|------------------------|
| Type of connection | Axial screw connection |
| Min. tightening torque | 1.1 Nm |
| Max. tightening torque | 1.7 Nm |
| Stripping length | 8 mm |
| Material | copper alloy |

Version

| | |
|--------------------------------|---------------------|
| Connection cross-section, min. | 2.5 mm ² |
| Connection cross-section, max. | 10 mm ² |
| AWG, min. | AWG 14 |
| AWG, max. | AWG 8 |
| Size | 3 |
| Surface finish | Silver passivated |
| Volume resistance | ≤ 4mΩ |
| Clamping screw | M 7 x 0,75 mm |

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 |
|------------|------------------|--|
| 1789970000 | HDC S4 0 BAS | HDC insert, Socket, 830 V, 80 A, Poles: 4 + 0 + PE, Axial screw connection, Size: 6 |
| 1789960000 | HDC S4 0 SAS | HDC insert, Pin, 830 V, 80 A, Poles: 4 + 0 + PE, Axial screw connection, Size: 6 |
| 1789980000 | HDC S4 BAS | HDC insert, Socket, 1000 V, 65 A, Poles: 4 + PE, Axial screw connection, Size: 3 |
| 1790010000 | HDC S6 12 BAS | HDC insert, Socket, 630 V, 48 A, Poles: 6 + 12 + PE, Axial screw connection, Size: 6 |
| 1790000000 | HDC S6 12 SAS | HDC insert, Pin, 690 V, 48 A, Poles: 6 + 12 + PE, Axial screw connection, Size: 6 |
| 1790020000 | HDC S6 6 BAS | HDC insert, Socket, 690 V, 100 A, Poles: 6 + 6 + PE, Axial screw connection, Size: 8 |
| 1790030000 | HDC S6 6 SAS | HDC insert, Pin, 690 V, 100 A, Poles: 6 + 6 + PE, Axial screw connection, Size: 8 |