



#### General ordering data

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

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 <sup>2</sup> , right max. 10 mm <sup>2</sup>
Note, accessories	Use spanner size 3 AF for axial screw connection  For additional accessories, refer to Accessories chapter.

**Dimensions**

High plug B	41.3 mm
Total length A	51 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	4 + PE
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	MixMate
Type	Pin
Type designation	S4

**Connection data PE**

Rated cross-section	10 mm <sup>2</sup>
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 <sup>2</sup>
Min. connection cross-section, solid	10 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	10 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	10 mm <sup>2</sup>
AWG, min.	AWG 14
AWG, max.	AWG 8

**Rating data**

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 <sup>2</sup>
Connection cross-section, max.	10 mm <sup>2</sup>
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