

HDC insert HDC HSB 6 FS

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The HSB series enables you to carry 35A per contact simultaneously. Assembled with screw connections, for secure and reliable connections.

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring.

Number of poles: **12**

Rated current: **35 A**

Rated voltage: **400 V**

Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Screw connection

General ordering data

Type	HDC HSB 6 FS
Order No.	1498900000
Version	HDC insert, Female, 400 V, 35 A, No. of poles: 6, Screw connection, Size: 6
GTIN (EAN)	4008190071417
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	84.5 mm	Width	34 mm
Height	35.6 mm	Net weight	98 g

Dimensions

Height of socket	35.6 mm	Total length base	84.5 mm
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General data

Size	6	Series	HSB
Rated voltage (DIN EN 61984)	400 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	6 kV	Rated current (DIN EN 61984)	35 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	6 mm ²	No. of poles	6
Plugging cycles, silver	≥ 500	Pollution severity	3
Type	Female		

Connection data PE

Stripping length PE connection	10 mm	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	6 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm ²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 10	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	6 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	6 mm ²	Fixing screw	M 5
Blade size, crosshead	Gr. PZ2	Blade size, slotted (PE connection)	1 x 5.5

Rating data

Rated current (DIN EN 61984)	35 A	Rated impulse voltage (DIN EN 61984)	6 kV
Rated voltage (DIN EN 61984)	400 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 10
Stripping length, rated connection	11 mm	Type of connection	Screw connection
Min. torque for main contact	1.2 Nm	Max. torque for main contact	1.5 Nm
Size	6	Volume resistance	≤ 2mΩ
Clamping screw	M 4	Blade size	size PZ1
Blade size, slotted (screw connection)	SD 0.8 x 4.0	Surface finish	Silver passivated
Material	Copper alloy		

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Technical data

Classifications

ETIM 2.0	EC001121	ETIM 3.0	EC001121
UNSPSC	30-21-18-01	eClass 4.1	27-14-08-05
eClass 5.1	27-14-34-19	eClass 6.2	27-26-12-04
eClass 7.1	27-44-02-05		

Product information

Descriptive text technical data	Always use ferrules when connecting stranded conductors.
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K
Product description	Assignment 1-6

Approvals

Approvals



ROHS	Conform
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Drawings

