

HDC insert HDC HVE 6+2 FS

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The HVE-series high-voltage inserts are equipped with two lagging contacts.

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

Number of poles: 8

Rated current: **23 A**

Rated voltage: **830 V**

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

Screw connection

General ordering data

Type	HDC HVE 6+2 FS
Order No.	1651340000
Version	HDC insert, Female, 830 V, 20 A, No. of poles: 8, Screw connection, Size: 6
GTIN (EAN)	4008190299941
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	84.5 mm	Width	34 mm
Height	35.2 mm	Net weight	76 g

Dimensions

Height of socket	35.2 mm	Total length base	84.5 mm
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General data

Size	6	Series	HVE
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)	20 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	2.5 mm ²	No. of poles	8
Plugging cycles, silver	≥ 500	Operating temperature range, min.	-40 °C
Operating temperature range, max.	125 °C	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.	4 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.	4 mm ²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	4 mm ²	Connection type PE	Screw connection
Tightening torque, min. PE connection	1.2 Nm	Tightening torque, max. PE connection	1.5 Nm
Rated cross-section	4 mm ²	Fixing screw	M 4
Blade size, crosshead	size PH1	Blade size, slotted (PE connection)	SD 0.8 x 4.0

Rating data

Rated current (DIN EN 61984)	20 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 20	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Min. torque for main contact	0.5 Nm	Max. torque for main contact	0.55 Nm
Size	6	Volume resistance	≤ 2mΩ
Clamping screw	M 3	Blade size	size PZ0
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Surface finish	Silver passivated
Material	Copper alloy		

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Classifications

ETIM 3.0	EC001121	UNSPSC	30-21-18-01
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	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

Downloads

PDF	1651340000_HDC_HVE_6+2_FS_STP_Blatt__1.pdf
IGES	1651340000_HDC_HVE_6+2_FS_STP.igs
VRML	1651340000_HDC_HVE_6+2_FS_STP.wrl

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Zeichnungen