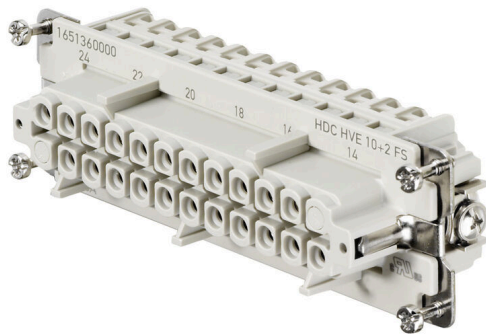


## HDC HVE 10+2 FT CTH

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)



The HVE-series high-voltage inserts are equipped with two lagging contacts.  
 The wire connection level is designed as a crimp contact.  
 Thus practically no servicing is required. In addition, a secure and permanent connection is established which is resistant to vibrations.

Number of poles: 12

Rated current: 23 A

Rated voltage: 830 V

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

### General ordering data

Version	HDC insert, Female, 830 V, 20 A, Number of poles: 12, Tension-clamp connection, Installation size: 8
Order No.	<a href="#">1967260000</a>
Type	HDC HVE 10+2 FT CTH
GTIN (EAN)	4032248661275
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	111 mm	Depth (inches)	4.3701 inch
Height	33 mm	Height (inches)	1.2992 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	79.2 g		

**Temperatures**

Limit temperature -40 °C ... 125 °C

**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2

Chemical resistance	Substance	Acetone
	Chemical resistance	Resistant
	Substance	Ammonia, watery
	Chemical resistance	Conditionally resistant
	Substance	Petrol
	Chemical resistance	Resistant
	Substance	Benzene
	Chemical resistance	Resistant
	Substance	Diesel oil
	Chemical resistance	Conditionally resistant
	Substance	Acetic acid, concentrated
	Chemical resistance	Resistant
	Substance	Potassium hydroxide
	Chemical resistance	Conditionally resistant
	Substance	Methanol
	Chemical resistance	Conditionally resistant
	Substance	Motor oil
	Chemical resistance	Conditionally resistant
Substance	Lye, diluted	
Chemical resistance	Resistant	
Substance	Hydrochlorofluorocarbons	
Chemical resistance	Conditionally resistant	
Substance	Outdoor use	
Chemical resistance	Conditionally resistant	

**Dimensions**

Width	34 mm	Total length base	111 mm
Height of socket	33 mm		

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**Technical data**

**General data**

Number of poles	12	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Tension-clamp connection
Installation size	8	UL 94 flammability rating	V-0
Volume resistance	≤2 mΩ	Colour	beige
Insulation resistance	1010 Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulating material group	IIIa	Conductor cross-section	2.5 mm <sup>2</sup>
Tightening torque, max. PE connection	1.5 Nm	Surface finish	Silver passivated
Type	Female	Pollution severity	3
Tightening torque, min. PE connection	1.2 Nm	Basic material	Copper alloy
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	Free from halogens	true
Low smoke acc. DIN EN 45545-2	Yes	BG	8
Number of signal contacts	2	Number of power contacts	10

**Connection data PE**

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.8 x 4.0
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	1.2 Nm	Fixing screw	M 4
Rated cross-section	4 mm <sup>2</sup>	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 12		

**Version**

Blade size, slotted (screw connection)	SD 0.5 x 3.0	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	8 mm	Type of connection	Tension-clamp connection
Installation size	8	Volume resistance	≤2 mΩ
Wire connection cross section AWG, min.	AWG 24	Wire cross-section, solid, max.	4 mm <sup>2</sup>
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Conductor cross-section, max.	2.5 mm <sup>2</sup>
Conductor cross-section, min.	0.25 mm <sup>2</sup>	Surface finish	Silver passivated
Basic material	Copper alloy	BG	8

**Classifications**

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

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Drawings

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