

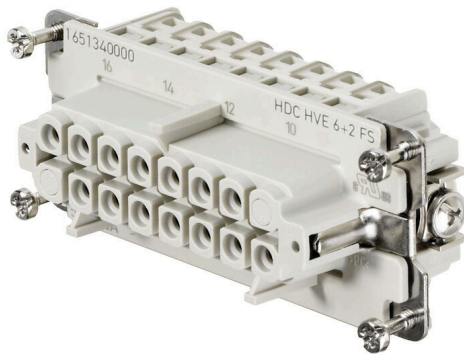
**HDC HVE 6+2 FS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

**General ordering data**

Version	HDC insert, Female, 830 V, 20 A, Number of poles: 8, Screw connection, Installation size: 6
Order No.	<a href="#">1651340000</a>
Type	HDC HVE 6+2 FS
GTIN (EAN)	4008190299941
Qty.	1 items

## HDC HVE 6+2 FS

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

www.weidmueller.com

## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.3268 inch
Height	35.2 mm	Height (inches)	1.3858 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	76 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	84.5 mm
Height of socket	35.2 mm		

## HDC HVE 6+2 FS

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## General data

Number of poles	8	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Screw connection
Installation size	6	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
Max. torque for main contact	0.55 Nm	Type	Female
Pollution severity	3	Tightening torque, min. PE connection	1.2 Nm
Basic material	Copper alloy	Min. torque for main contact	0.5 Nm
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	6
Number of signal contacts	2	Number of power contacts	6

## 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 0.6 x 3.5	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Installation size	6	Volume resistance	≤2 mΩ
Clamping screw	M 3	Blade size	size PZ0
Wire connection cross section AWG, min.	AWG 20	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.	0.5 mm <sup>2</sup>	Surface finish	Silver passivated
Max. torque for main contact	0.55 Nm	Basic material	Copper alloy
Min. torque for main contact	0.5 Nm	BG	6

## 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		

HDC HVE 6+2 FS

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

Drawings

www.weidmueller.com

