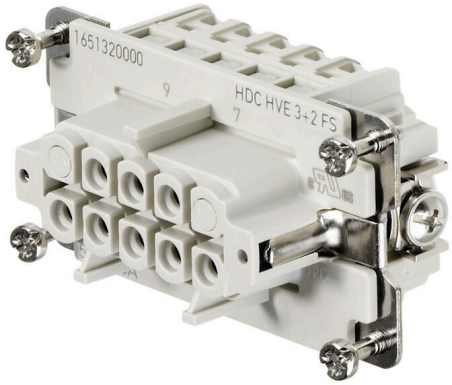
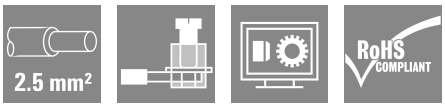
Data sheet

HDC HVE 3+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: 5 - 12
Rated current: 24 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: 5, Screw connection, Installation size: 4
Order No.	1651320000
Type	HDC HVE 3+2 FS
GTIN (EAN)	4008190299927
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	35.2 mm	Height (inches)	1.3858 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	49.28 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	64 mm
Height of socket	35.2 mm		

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General data

Number of poles	5	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Screw connection
Installation size	4	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 mm²
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	4
Number of signal contacts	2	Number of power contacts	3

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 mm²	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	4	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 mm²
Wire cross-section, solid, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Conductor cross-section, max.	2.5 mm²
Conductor cross-section, min.	0.5 mm²	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	4

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