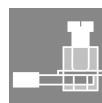
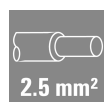
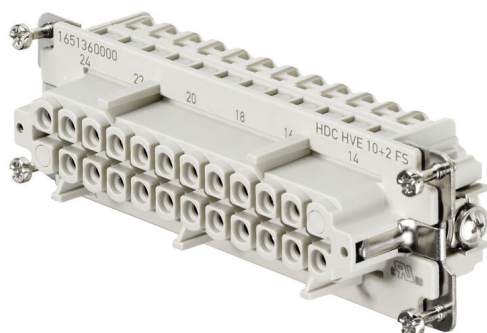


HDC HVE 10+2 FS**Weidmüller Interface GmbH & Co. KG**

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: 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, Screw connection, Installation size: 8
Order No.	1651360000
Type	HDC HVE 10+2 FS
GTIN (EAN)	4008190299965
Qty.	1 items

HDC HVE 10+2 FS

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Technical data

Approvals

Approvals



ROHS

Conform

Dimensions and weights

Depth	111 mm	Depth (inches)	4.3701 inch
Height	35.2 mm	Height (inches)	1.3858 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	91.52 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	35.2 mm		

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Technical data

General data

Number of poles	12	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Screw 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 ²
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	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 ²	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	8	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 ²
Wire cross-section, solid, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Conductor cross-section, max.	2.5 mm ²
Conductor cross-section, min.	0.5 mm ²	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	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		

Drawings

