

## HDC insert HDC HE 10 FS

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



For the screw connection, the wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Number of poles: **10**

Rated current: **16 A**

Rated voltage: **500 V**

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

Screw connection

### General ordering data

Type	HDC HE 10 FS
Order No.	<a href="#">1204100000</a>
Version	HDC insert, Female, 500 V, 16 A, No. of poles: 10, Screw connection, Size: 4
GTIN (EAN)	4008190170172
Qty.	1 pc(s).

## HDC insert HDC HE 10 FS

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Dimensions and weights

Length	64 mm	Width	34 mm
Height	35.2 mm	Net weight	70 g

### Dimensions

Height of socket	35.2 mm	Total length base	64 mm
------------------	---------	-------------------	-------

### General data

Size	4	Series	HE
Rated voltage (DIN EN 61984)	500 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	6 kV	Rated current (DIN EN 61984)	16 A
UL 94 flammability rating	V-0	Insulating material group	IIIa
Insulation resistance	10 <sup>10</sup> Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Conductor cross-section	2.5 mm <sup>2</sup>	No. of poles	10
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 <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm <sup>2</sup>
Wire cross-section, solid, max.	4 mm <sup>2</sup>	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 <sup>2</sup>	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)	16 A	Rated impulse voltage (DIN EN 61984)	6 kV
Rated voltage (DIN EN 61984)	500 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	4	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		

## HDC insert HDC HE 10 FS

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### 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 630 V / 6 kV at pollution degree 2
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

### Approvals

Approvals



ROHS Conform

### Downloads

PDF	<a href="#">1204100000_HDC_HE_10_FS_STP_Blatt__1.pdf</a>
IGES	<a href="#">1204100000_HDC_HE_10_FS_STP.igs</a>
VRML	<a href="#">1204100000_HDC_HE_10_FS_STP.wrl</a>

[3D Modell](#)

**HDC insert  
HDC HE 10 FS**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Zeichnungen**