

**HDC insert
HDC HA 16 FS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

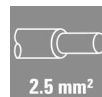
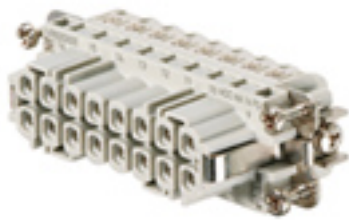
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



The small and thin HA series can be used wherever space is limited.

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).

Pole count: 48

Rated current: 16 A

Rated voltage 250 V

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

Screw connection

General ordering data

Type	HDC HA 16 FS
Order No.	1650780000
Version	HDC insert, Female, 250 V, 22 A, No. of poles: 16, Screw connection, Size: 5
GTIN (EAN)	4008190299408
Qty.	1 pc(s).

HDC insert
HDC HA 16 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

Technical data
Dimensions and weights

Length	73 mm	Width	23 mm
Height	31.1 mm	Net weight	71 g

Dimensions

Height of socket	31.1 mm	Total length base	73 mm
------------------	---------	-------------------	-------

General data

Size	5	Series	HA
Rated voltage (DIN EN 61984)	250 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	4 kV	Rated current (DIN EN 61984)	22 A
UL 94 flammability rating	V-0	Insulating material group	IIIa
Insulation resistance	10 ¹⁰ Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Conductor cross-section	2.5 mm ²	No. of poles	16
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 ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Connection type PE	Screw connection
Tightening torque, min. PE connection	1.2 Nm	Tightening torque, max. PE connection	1.5 Nm
Rated cross-section	2.5 mm ²	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)	22 A	Rated impulse voltage (DIN EN 61984)	4 kV
Rated voltage (DIN EN 61984)	250 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	5	Volume resistance	≤ 2 mΩ
Clamping screw	M 3	Blade size	size PH0
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Surface finish	Silver passivated
Material	Copper alloy		

**HDC insert
HDC HA 16 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

Technical data
Classifications

ETIM 2.0	EC001121	ETIM 3.0	EC001121
UNSPSC	30-21-18-01	eClass 4.1	27-14-08-05
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 320 V / 4 kV at pollution degree 2
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K
Description of article	Assignment 1-16
Product description	Assignment 1-16

Approvals

Approvals



ROHS Conform

Downloads

PDF	1650780000_HDC_HA_16_FS_STP_Blatt__1.pdf
IGES	1650780000_HDC_HA_16_FS_STP.igs
VRML	1650780000_HDC_HA_16_FS_STP.wrl
3-D model	