

**HDC insert
HDC HDD 24 FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-2083

www.weidmueller.com



The HDD series with machined crimp contacts is designed for high pole counts in tight spaces. Users save installation space with the smaller design, without having to limit the number of poles.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Number of poles: **24**

Rated current: **10 A**

Rated voltage: **250 V**

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

Crimp connection

General ordering data

Order No.	1651160000
Type	HDC HDD 24 FC
Version	HDC insert, Female, 250 V, 10 A, No. of poles: 24, Crimp connection, Size: 3
GTIN (EAN)	4008190299767
Qty.	1 pc(s).

HDC insert HDC HDD 24 FC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-2083

www.weidmueller.com

Technical data

Dimensions

Length	51 mm	Width	34 mm
Height	33 mm		

Dimensions

Height of socket	33 mm	Total length base	51 mm
------------------	-------	-------------------	-------

General data

Size	3	Series	HDD
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)	10 A
Flammability class UL 94	V-0	Insulating material group	IIIa
Insulation resistance	$10^{10} \Omega$	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
No. of poles	24	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	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 26
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	PZ1 size	Blade size, slotted (PE connection)	SD 0,6 x 3,5, SD 0,8 x 4,0

Rating data

Rated current (DIN EN 61984)	10 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 26	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	8 mm	Type of connection	Crimp connection
Size	3	Volume resistance	$\leq 4 \text{ m}\Omega$
Surface finish	Silver passivated, gold	Material	Copper alloy

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 6.0	27-26-12-04
eClass 7.0	27-44-02-05		

Data sheet...**HDC insert
HDC HDD 24 FC**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Technical data**Product information**

Descriptive text ordering data	When using connectors with high contact density, we recommend the use of guide pins and sockets; see Chapter J
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



**HDC insert
HDC HDD 24 FC**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Drawings

