

HDC insert HDC HDD 42 MC

Weidmüller Interface GmbH & Co. KG

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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: 42

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.	1651170000
Type	HDC HDD 42 MC
Version	HDC insert, Male, 250 V, 10 A, No. of poles: 42, Crimp connection, Size: 4
GTIN (EAN)	4008190299774
Qty.	1 pc(s).

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Technical data**Dimensions**

Length	64 mm	Width	34 mm
Height	35 mm		

Dimensions

Height of plug	35 mm	Total length base	64 mm
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General data

Size	4	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 Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
No. of poles	42	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Pollution severity	3
Type	Male		

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	4	Volume resistance	≤ 4mΩ
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
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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



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Drawings

