HDC insert
HDC HD 8 FC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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The HD range features a high density of contacts. It is thus optimally suited for signal processing.
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: **7 - 8**
Rated current: **10 A**
Rated voltage: 42/**250 V**
Nominal voltage acc. to UL/CSA: **600 V AC/DC**
Crimp connection

General ordering data

Type	HDC HD 8 FC
Order No.	1650600000
Version	HDC insert, Female, 50 V, 10 A, No. of poles: 8, Crimp connection, Size: 1
GTIN (EAN)	4008190870959
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	21 mm	Width	21 mm
Height	33.2 mm	Net weight	10 g

Dimensions

Height of socket	33.2 mm	Total length base	21 mm

General data

Size	1	Series	HD
Rated voltage (DIN EN 61984)	50 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
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 mm²	No. of poles	8
Plugging cycles, silver	≥ 500	Plugging cycles, gold	≥ 500
Pollution severity	3	Type	Female

Connection data PE

Wire connection cross-section, finely stranded, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.5 mm²	Wire cross-section, solid, max.	2.5 mm²
Rated cross-section	2.5 mm²		

Rating data

Rated current (DIN EN 61984)	10 A	Rated impulse voltage (DIN EN 61984)	4 kV
Rated voltage (DIN EN 61984)	50 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	1	Volume resistance	≤ 4mΩ
Surface finish	Silver passivated, gold	Material	Copper alloy

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		

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Technical data

Product information

Descriptive text ordering data	Reduce the voltage to 42 V when using metal housings
Descriptive text technical data	HD 8 insert without protective earth connection
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals	
ROHS	Conform

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Drawings

