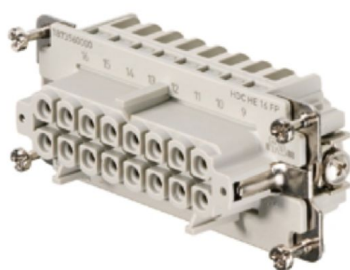


HDC HE 16 FP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The PUSH IN connection is a direct-insert method of connection. The preprocessed wire can be inserted directly into the wire connection without the need for any tools.

Number of poles: 16

Rated current: 16 A

Rated voltage: 500 V

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

General ordering data

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 16, PUSH IN, Installation size: 6
Order No.	1873560000
Type	HDC HE 16 FP
GTIN (EAN)	4032248458172
Qty.	1 items

Technical data

Approvals

Approvals



ROHS	Conform
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UL File Number Search	UL Website
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Certificate No. (cURus)	E310075
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Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.3268 inch
Height	33.8 mm	Height (inches)	1.3307 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	73.04 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
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RoHS Exemption (if applicable/known)	6c
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REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
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SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2
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Chemical resistance	Substance	Acetone
	Chemical resistance	Resistant
	Substance	Ammonia, watery
	Chemical resistance	Conditionally resistant
	Substance	Petrol
	Chemical resistance	Resistant
	Substance	Benzene
	Chemical resistance	Resistant
	Substance	Diesel oil
	Chemical resistance	Conditionally resistant
	Substance	Acetic acid, concentrated
	Chemical resistance	Resistant
	Substance	Potassium hydroxide
	Chemical resistance	Conditionally resistant
	Substance	Methanol
	Chemical resistance	Conditionally resistant
	Substance	Motor oil
	Chemical resistance	Conditionally resistant
	Substance	Lye, diluted
	Chemical resistance	Resistant
	Substance	Hydrochlorofluorocarbons
	Chemical resistance	Conditionally resistant
	Substance	Outdoor use
	Chemical resistance	Conditionally resistant

Dimensions

Width	34 mm	Total length base	84.5 mm
Height of socket	33.8 mm		

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Technical data

General data

Number of poles	16	
Plugging cycles, silver	≥ 500	
Type of connection	PUSH IN	
Installation size	6	
UL 94 flammability rating	V-0	
Volume resistance	≤2 mΩ	
Colour	beige	
Insulation resistance	1010 Ω	
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	
Insulating material group	IIIa	
Surface finish	Silver passivated	
Type	Female	
Pollution severity	3	
Basic material	Copper alloy	
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	
Rated current (UR)	Wire connection cross section AWG	AWG 12
	Rated current	20 A
	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 16
	Rated current	10 A
	Wire connection cross section AWG	AWG 18
	Rated current	7 A
	Wire connection cross section AWG	AWG 20
	Rated current	5 A
Rated current (cUR)	Wire connection cross section AWG	AWG 12
	Rated current	19 A
	Wire connection cross section AWG	AWG 14
	Rated current	16 A
	Wire connection cross section AWG	AWG 16
	Rated current	12.5 A
	Wire connection cross section AWG	AWG 18
	Rated current	9.8 A
	Wire connection cross section AWG	AWG 20
Rated current	8 A	
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	6	

Rating data IECEx/ATEX

Certificate No. (IECEX)	IECEXTUR24.0077X	Current (IECEX)	3 A
Current (ATEX)	3 A	Certificate No. (ATEX)	TUEV24ATEX9197X
Wire cross section max. (IECEX)	4 mm ²	Max. voltage (ATEX)	250 V
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	250 V

Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.8 x 4.0
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	1.2 Nm	Fixing screw	M 4
Rated cross-section	4 mm ²	Wire cross section, AWG (PE), min.	AWG 20

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Technical data

Wire cross section, AWG (PE), max. AWG 12

Version

Blade size, slotted (screw connection)	SD 0.5 x 3.0	Stripping length, rated connection	10 mm
Type of connection	PUSH IN	Installation size	6
Volume resistance	$\leq 2 \text{ m}\Omega$	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Conductor cross-section, max.	2.5 mm ²	Conductor cross-section, min.	0.5 mm ²
Surface finish	Silver passivated	Basic material	Copper alloy
BG	6		

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 9.0	27-44-02-05
ECLASS 9.1	27-44-02-05	ECLASS 10.0	27-44-02-05
ECLASS 11.0	27-44-02-05	ECLASS 12.0	27-44-02-05
ECLASS 13.0	27-44-02-05	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

