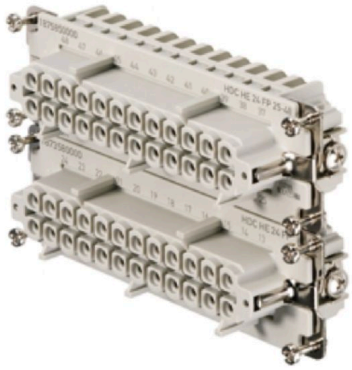
Data sheet

HDC HE 24 FP 25-48

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 prepared wire can be inserted directly into the wire connection level without the need for any additional tools.

General ordering data

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 24, PUSH IN, Installation size: 8
Order No.	1875850000
Type	HDC HE 24 FP 25-48
GTIN (EAN)	4032248466115
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Dimensions and weights

Depth	111 mm	Depth (inches)	4.3701 inch
Height	33.8 mm	Height (inches)	1.3307 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	99.44 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	6c	
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3	
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2	
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	111 mm
Height of socket	33.8 mm		

Data sheet

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Technical data

General data

Number of poles	24	
Plugging cycles, silver	≥ 500	
Type of connection	PUSH IN	
Installation size	8	
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
	Wire connection cross section AWG	AWG 14
	Wire connection cross section AWG	AWG 16
	Wire connection cross section AWG	AWG 18
	Wire connection cross section AWG	AWG 20
Rated current (cUR)	Wire connection cross section AWG	AWG 12
	Wire connection cross section AWG	AWG 14
	Wire connection cross section AWG	AWG 16
	Wire connection cross section AWG	AWG 18
	Wire connection cross section AWG	AWG 20
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	8	

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 mm²	Wire cross section, AWG (PE), min.	AWG 20
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	8
Volume resistance	≤2 mΩ	Wire cross-section, solid, max.	2.5 mm²
Wire cross-section, solid, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²	Conductor cross-section, max.	2.5 mm²
Conductor cross-section, min.	0.5 mm²	Surface finish	Silver passivated
Basic material	Copper alloy	BG	8

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Technical data

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		

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Drawings

