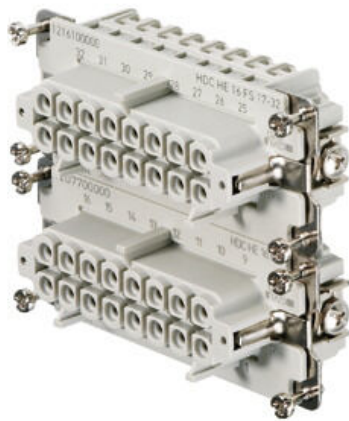


HDC HE 16 FS 17-32

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



For the screw connection, the wire connection level is designed as a screw element. All screw connection elements are equipped with wire protection (with the exception of size 1).

General ordering data

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 16, Screw connection, Installation size: 6
Order No.	1216100000
Type	HDC HE 16 FS 17-32
GTIN (EAN)	4008190055295
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.3268 inch
Height	35.2 mm	Height (inches)	1.3858 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	88 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 e98b2b24-ba23-41bf-8d19-0dda3647412f

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	35.2 mm		

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Technical data

General data

Number of poles	16		
Plugging cycles, silver	≥ 500		
Plugging cycles, gold	≥ 500		
Type of connection	Screw connection		
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		
Conductor cross-section	2.5 mm ²		
Surface finish	Silver passivated		
Max. torque for main contact	0.7 Nm		
Type	Female		
Pollution severity	3		
Basic material	Copper alloy		
Min. torque for main contact	0.6 Nm		
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	19.7 A
		Wire connection cross section AWG	AWG 14
		Rated current	15 A
Wire connection cross section AWG		AWG 16	
Rated current		11.3 A	
Wire connection cross section AWG		AWG 18	
Rated current		10.3 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		
Number of signal contacts	0		
Number of power contacts	16		

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

Power contact

Tightening torque, max. 0.7 Nm Tightening torque, min. 0.6 Nm

Signal contact

Tightening torque, max. 0.7 Nm Tightening torque, min. 0.6 Nm

Version

Blade size, slotted (screw connection)	SD 0.6 x 3.5	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Installation size	6	Volume resistance	≤2 mΩ
Clamping screw	M 3	Blade size	size PH1
Wire connection cross section AWG, min.	AWG 20	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.	2.5 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	Max. torque for main contact	0.7 Nm
Basic material	Copper alloy	Min. torque for main contact	0.6 Nm
BG	6		

Classifications

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Drawings

