

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



A small size but quite big. The electrical values speak for themselves. Proven HE crimp contacts can also be used here.

Pole count: 8 (+PE)

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: 8, Crimp connection, Installation size: HQ
Order No.	1919980000
Type	HDC HQ 8 FC
GTIN (EAN)	4032248557950
Qty.	1 items

Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	41.6 mm	Depth (inches)	1.6378 inch
Height	38.5 mm	Height (inches)	1.5157 inch
Width	22.4 mm	Width (inches)	0.8819 inch
Net weight	14.96 g		

Temperatures

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

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd

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	22.4 mm	Total length base	41.6 mm
Height of socket	38.5 mm		

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Technical data

General data

Number of poles	8		
Plugging cycles, silver	≥ 500		
Plugging cycles, gold	≥ 500		
Type of connection	Crimp connection		
Installation size	HQ		
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		
Type	Female		
Pollution severity	3		
Basic material	Copper alloy		
Series	HQ		
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	19 A	
	Wire connection cross section AWG	AWG 14	
	Rated current	15 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	12 A	
	Wire connection cross section AWG	AWG 18	
	Rated current	8 A	
	Wire connection cross section AWG	AWG 20	
	Rated current	8 A	
	Rated current (cUR)	Wire connection cross section AWG	AWG 12
		Rated current	19 A
		Wire connection cross section AWG	AWG 14
		Rated current	15 A
Wire connection cross section AWG		AWG 16	
Rated current		12 A	
Wire connection cross section AWG		AWG 18	
Rated current		8 A	
Wire connection cross section AWG		AWG 20	
Rated current		8 A	
Free from halogens	false		
Low smoke acc. DIN EN 45545-2	Yes		
BG	HQ		
Number of power contacts	8		

Connection data PE

Connection type PE	Crimp connection	Stripping length PE connection	7.5 mm
Rated cross-section	4 mm ²	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 12		

Version

Wire connection cross section AWG, max.	AWG 12	Stripping length, rated connection	7.5 mm
Type of connection	Crimp connection	Installation size	HQ

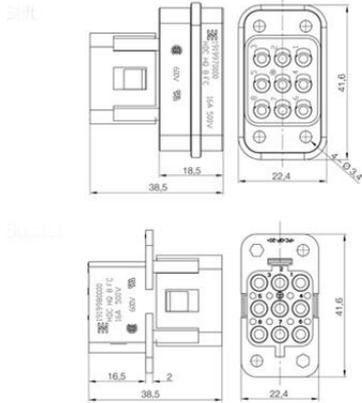
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Volume resistance	≤2 mΩ	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Conductor cross-section, max.	4 mm ²	Conductor cross-section, min.	0.5 mm ²
Basic material	Copper alloy	BG	HQ

Classifications

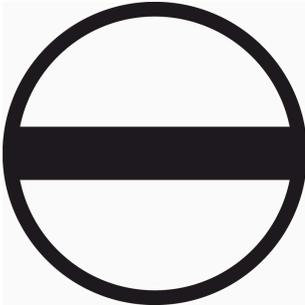
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Drawings



Accessories

Slotted screwdriver

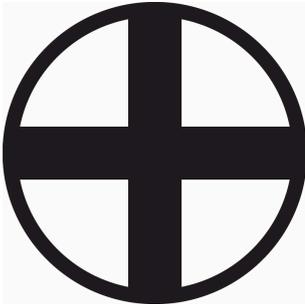


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version	
Order No.	9008390000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056354		
Qty.	1 ST		
Type	SDS 0.6X3.5X100	Version	
Order No.	9008330000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		

Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PH0	Version	
Order No.	9008560000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056552		
Qty.	1 ST		
Type	SDK PH0	Version	
Order No.	9008470000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056460		
Qty.	1 ST		

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Accessories

Crimping tools



Crimping tools for turned contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

Type	CTX CM 1.6/2.5	Version
Order No.	9018490000	Pressing tool, Crimping tool for contacts, 0.14mm ² , 4mm ² , W crimp
GTIN (EAN)	40081908884598	
Qty.	1 ST	

Type	CTIN CM 1.6/2.5	Version
Order No.	9205430000	Pressing tool, Crimping tool for contacts, 0.14mm ² , 6mm ² , 4-indent crimp
GTIN (EAN)	4032248733446	
Qty.	1 ST	

Contact removal tools



Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

Type	REMOVAL TOOL HE	Version
Order No.	1866750000	Tools, Contact Removal Tool
GTIN (EAN)	4032248437078	
Qty.	1 ST	

HE

Various accessories are available for our inserts. This includes coding elements for the inserts.



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Accessories

General ordering data

Type	HDC HE CP	Version	
Order No.	1003240000	Heavy-duty connectors, Accessories, Coding System	
GTIN (EAN)	4032248698233		
Qty.	100 ST		

Crimp contacts HE



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

General ordering data

Type	HDC-C-HE-BM0.5AG	Version	
Order No.	1201100000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy	
GTIN (EAN)	4008190142698		
Qty.	100 ST		
Type	HDC-C-HE-BM0.75-1.00AG	Version	
Order No.	1201200000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy	
GTIN (EAN)	4008190044480		
Qty.	100 ST		
Type	HDC-C-HE-BM1.5AG	Version	
Order No.	1201300000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy	
GTIN (EAN)	4008190100346		
Qty.	100 ST		
Type	HDC-C-HE-BM2.5AG	Version	
Order No.	1201400000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 2.5, turned, Copper alloy	
GTIN (EAN)	4008190047078		
Qty.	100 ST		
Type	HDC-C-HE-BM4.0AG	Version	
Order No.	1201500000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 4, turned, Copper alloy	
GTIN (EAN)	4008190148096		
Qty.	100 ST		
Type	HDC-C-HE-BM0.5AU	Version	
Order No.	1651470000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy	
GTIN (EAN)	4008190400149		
Qty.	100 ST		
Type	HDC-C-HE-BM0.75-1.00AU	Version	
Order No.	1651480000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy	
GTIN (EAN)	4008190400156		
Qty.	100 ST		
Type	HDC-C-HE-BM1.5AU	Version	
Order No.	1651490000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy	
GTIN (EAN)	4008190400163		
Qty.	100 ST		

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Accessories

Type	HDC-C-HE-BM2.5AU	Version
Order No.	165150000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400170	Female, Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HE-BM4.0AU	Version
Order No.	165151000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400187	Female, Conductor cross-section, max.: 4, turned, Copper alloy
Qty.	100 ST	