

**HDC HE 16 MP****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**

PUSH IN technology

**General ordering data**

Version	HDC insert, Male, 500 V, 16 A, Number of poles: 16, PUSH IN, Size: 6
Order No.	<a href="#">1873570000</a>
Type	HDC HE 16 MP
GTIN (EAN)	4032248458189
Qty.	1 pièce(s)

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## Caractéristiques techniques

### Dimensions and weights

Depth	84,5 mm	Depth (inches)	3,327 inch
Height	34,3 mm	Height (inches)	1,35 inch
Width	34 mm	Width (inches)	1,339 inch
Net weight	78 g		

### Temperatures

Limit temperature	-40 °C ... 125 °C
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### Dimensions

Height of plug	34,3 mm	Height of socket	33,8 mm
Total length base	84,5 mm	Width	34 mm

### General data

BG	6	
Colour	beige	
Free from halogens	true	
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	
Insulating material group	IIIa	
Insulation strength	10 <sup>10</sup> Ω	
Low smoke acc. DIN EN 45545-2	Yes	
Material	Copper alloy	
Number of poles	16	
Plugging cycles, silver	≥ 500	
Pollution severity	3	
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 (cUR)	Rated current	5 A
	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
	Rated impulse voltage (DIN EN 61984)	6 kV
Rated voltage (DIN EN 61984)	500 V	
Rated voltage according to UL/CSA	600 V AC/DC	
Series	HE	
Size	6	
Surface finish	Silver passivated	

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## Caractéristiques techniques

Type	Male
Type of connection	PUSH IN
UL 94 flammability rating	V-0
Volume resistance	≤2 mΩ

### Connection data PE

Blade size, slotted (PE connection)	SD 0.8 x 4.0	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	4 mm <sup>2</sup>
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1,5 Nm
Tightening torque, min. PE connection	1,2 Nm	Wire cross section, AWG (PE), max.	AWG 12
Wire cross section, AWG (PE), min.	AWG 20		

### Version

BG	6	Blade size, slotted (screw connection)	SD 0.5 x 3.0
Conductor cross-section, max.	2,5 mm <sup>2</sup>	Conductor cross-section, min.	0,5 mm <sup>2</sup>
Material	Copper alloy	Size	6
Stripping length, rated connection	10 mm	Surface finish	Silver passivated
Type of connection	PUSH IN	Volume resistance	≤2 mΩ
Wire connection cross section, finely stranded, max.	2,5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0,5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2,5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0,5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1,5 mm <sup>2</sup>	Wire cross-section, solid, max.	2,5 mm <sup>2</sup>
Wire cross-section, solid, min.	0,5 mm <sup>2</sup>		

### Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	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		

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

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## Caractéristiques techniques

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

### 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	de.myview.objectmodel.impl.BlockImpl@5416715e de.myview.objectmodel.impl.BlockImpl@115b81a8 de.myview.objectmodel.impl.BlockImpl@61abdd0d de.myview.objectmodel.impl.BlockImpl@5749481e de.myview.objectmodel.impl.BlockImpl@30b24f28 de.myview.objectmodel.impl.BlockImpl@7da9ce57 de.myview.objectmodel.impl.BlockImpl@4255275a de.myview.objectmodel.impl.BlockImpl@5fc19eb6 de.myview.objectmodel.impl.BlockImpl@7d284169 de.myview.objectmodel.impl.BlockImpl@4e40f3ed de.myview.objectmodel.impl.BlockImpl@25c46288 de.myview.objectmodel.impl.BlockImpl@76236ca8

### Approvals

Approvals



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

### Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Technical Documentation	<a href="#">1873570000 HDC HE 16 MP STP Blatt_1.pdf</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

**Fiche de données****HDC HE 16 MP**

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**Dessins**