

**HDC HE 16 N FQT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**SNAP IN** 

With the SNAP IN connection, the conductor connection level is already open and the stripped connector can be simply inserted. In the end position, the patented clamping mechanism closes automatically. As a result, it requires virtually no maintenance and a safe, permanent and vibration-proof connection is established. Weidmüller is therefore the first and only manufacturer to offer this innovative connection system.

**General ordering data**

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 16, SNAP IN, Size: 6
Order No.	<a href="#">2666950000</a>
Type	HDC HE 16 N FQT
GTIN (EAN)	4050118898200
Qty.	1 pc(s).

## HDC HE 16 N FQT

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## Technical data

## Dimensions and weights

Net weight	79 g
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## Temperatures

Limit temperature	-40 °C ... 125 °C
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## General data

BG	6	Colour	light grey (RAL 7035)
Free from halogens	true	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 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	Type	Female
Type of connection	SNAP 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	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	SD 0.6 x 3.5
Conductor cross-section, max.	2.5 mm <sup>2</sup>	Conductor cross-section, min.	1 mm <sup>2</sup>
Material	Copper alloy	Size	6
Stripping length, rated connection	10 mm	Surface finish	Silver passivated
Type of connection	SNAP IN	Volume resistance	≤2 mΩ
Wire connection cross section AWG, max.	AWG 16	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	1 mm <sup>2</sup>
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>	Wire cross-section, solid, min.	1 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		

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## Environmental Product Compliance

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

## Approvals

Approvals



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

## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Technische Änderung zu HDC HE SNAPIN Kontakteinsätzen</a> <a href="#">Technical change to HDC HE SNAPIN contact inserts</a> <a href="#">Product Change Notice PCN-PB72-20240321-00-A_de</a> <a href="#">Product Change Notice PCN-PB72-20240321-00-A_en</a> <a href="#">Technical change to HDC HE SNAPIN contact inserts</a> <a href="#">Technische Änderung zu HDC HE SNAPIN Kontakteinsätzen</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>