



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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General ordering data

Order No.	1650580000
Part designation	HDC HD 7 FC
Version	HDC insert, Socket, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1
EAN	4008190299255
Qty.	1 pc(s).

Product notes

Note, ordering data	Reduce the voltage to 42 V when using metal housings
Note, technical data	HD-7 insert with protective earth connection only via the plug-socket contact.
Product description	250 V for plastic housings42 V for metal housings
Function	For turned contacts
Note, accessories	For additional accessories, refer to Accessories chapter.

General data

Colour	beige
Insulating material group	IIIa
Insulation material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulation resistance	$10^{10} \Omega$
No. of poles, total	7 + PE
Plugging cycles, gold	≥ 500
Plugging cycles, silver	≥ 500
Pollution severity	3
Temperature, max.	125 °C
Temperature, min.	-40 °C
UL 94 flammability class	V-0
Size	1
Series	HD
Type	Socket
Type designation	HD 7

General data**Connection data PE**

Rated cross-section	2.5 mm ²
Fixing screw	M 4
Min. tightening torque	1.2 Nm
Blade size, crosshead	size PH1
Max. tightening torque	1.5 Nm
Blade size, slotted	SD 0.8 x 4.0
Stripping length	10 mm
Max. connection cross-section, solid	0.5 mm ²
Min. connection cross-section, solid	2.5 mm ²
Min. connection cross-section, stranded	0.5 mm ²
Connection type PE	Screw connection
Max. connection cross-section, stranded	2.5 mm ²
Min. connection cross-section "f" with wire end ferrule	0.5 mm ²
Max. connection cross-section "f" with wire end ferrule	2.5 mm ²
AWG, min.	AWG 20
AWG, max.	AWG 14

Rating data

Rated voltage (DIN EN 61984)	250 V
Rated current (DIN EN 61984)	10 A
Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	4 kV

Version

Type of connection	Crimp connection
Stripping length	8 mm
Connection cross-section, min.	0.14 mm ²
Connection cross-section, max.	2.5 mm ²
AWG, min.	AWG 26
AWG, max.	AWG 14
Size	1
Volume resistance	≤ 4mΩ

Approvals

Approvals institutes

**Classifications**

ETIM 2.0	EC001121
ETIM 3.0	EC001121
eClass 4.1	27-14-08-05

Classifications

eClass 5.0	27-14-34-19
eClass 5.1	27-14-34-19

Similar products

Order No.	Part designation	Version
1650660000	HDC HD 15 FC	HDC insert, Socket, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2
1650650000	HDC HD 15 MC	HDC insert, Pin, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2
1650720000	HDC HD 16 FC	HDC insert, Socket, 250 V, 10 A, Poles: 16 + PE, Crimp connection, BG: 3
1650710000	HDC HD 16 MC	HDC insert, Pin, 250 V, 10 A, Poles: 16 + PE, Crimp connection, BG: 3
1650890000	HDC HD 24 FC	HDC insert, Socket, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4
1650870000	HDC HD 24 MC	HDC insert, Pin, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4
1650820000	HDC HD 25 FC	HDC insert, Socket, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5
1023050000	HDC HD 25 FC "Z"	HDC-Einsatz, Buchse, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5
1650810000	HDC HD 25 MC	HDC insert, Pin, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5
1023040000	HDC HD 25 MC "Z"	HDC-Einsatz, Stift, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5
1601730000	HDC HD 40 FC	HDC insert, Socket, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6
1601710000	HDC HD 40 MC	HDC insert, Pin, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6
1601740000	HDC HD 64 FC	HDC insert, Socket, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12
1601720000	HDC HD 64 MC	HDC insert, Pin, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12
1650570000	HDC HD 7 MC	HDC insert, Pin, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1
1650600000	HDC HD 8 FC	HDC insert, Socket, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1
1650590000	HDC HD 8 MC	HDC insert, Pin, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1