



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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Contact insert - HC-Q07-I-CT-F - 1418623


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Contact insert, Size: D7, Number of positions: 7+PE, Socket, Crimp connection, 400 V, 10 A, 0.14 mm² ... 2.5 mm²



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 249360
GTIN	4055626249360

Technical data

General

Note	For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
	PE connection
Degree of pollution	3
Overvoltage category	III
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm
	6 mm (2.5 mm ²)
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	Four different coding options to prevent mismatching.
	Contact insert including IP67 sealing screw.

Ambient conditions

Contact insert - HC-Q07-I-CT-F - 1418623

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	10 A

Standards and Regulations

Connection in acc. with standard	IEC / EN
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

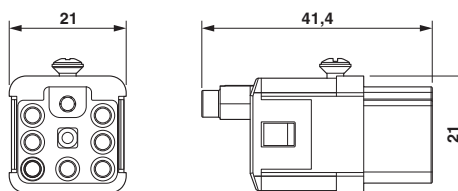
Drawings

Schematic diagram



Connector pin assignment (connection side)

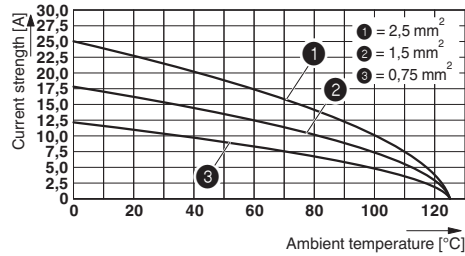
Dimensional drawing



Female insert (turned contacts)

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Diagram



Derating diagram: HC-D...C series

Approvals

Approvals

Approvals

GL / CSA / UL Recognized

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6196614 HH
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CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
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mm²/AWG/kcmil	14
Nominal current I _N	13.5 A
Nominal voltage U _N	600 V

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
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mm²/AWG/kcmil	14
Nominal current I _N	17.5 A
Nominal voltage U _N	600 V

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