



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-Q12-I-CT-F - 1418625

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Contact insert, Size: D7, Number of positions: 12+PE, Socket, Crimp connection, 400 V, 10 A, 0.14 mm² ... 2.5 mm²

### Why buy this product

- ✓ Can be keyed in seconds thanks to plastic profiles
- ✓ 16 coding options without loss of contact space.
- ✓ For all D7 housing designs
- ✓ Cost-effective and saves space thanks to high number of contacts within a small surface area
- ✓ Contact insert including IP65 sealing screw

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 249384
GTIN	4055626249384

### 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	12+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Conductor cross section	0.14 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm

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## Technical data

### General

	6 mm (2.5 mm <sup>2</sup> )
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	Contact insert including IP67 sealing screw.

### 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

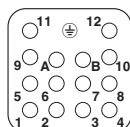
Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	10 A

### Standards and Regulations

Flammability rating according to UL 94	V0
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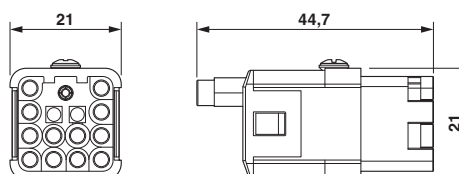
## Drawings

Schematic diagram



Pin assignment connection side. Position A and B for coding profiles

Dimensional drawing





Dimensional drawing: HC-Q 12-I-CT-F



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### Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
mm²/AWG/kcmil		14	
Nominal current IN		15 A	
Nominal voltage UN		600 V	

EAC		EAC-Zulassung
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