

# Contact insert - HC-Q07-I-CT-M - 1418624

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Contact insert, Size: D7, Number of positions: 7+PE, Pin, Crimp connection, 400 V, 10 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Why buy this product

- Contact insert including IP65 sealing screw



## Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4055626249377

## 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 <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm
	6 mm (2.5 mm <sup>2</sup> )
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	Four different coding options to prevent mismatching.

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## Technical data

### General

	Contact insert including IP67 sealing screw.
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### Ambient conditions

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

Seal material	NBR
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

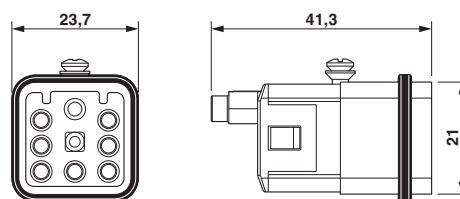
## Drawings

Schematic diagram



Connector pin assignment (connection side)

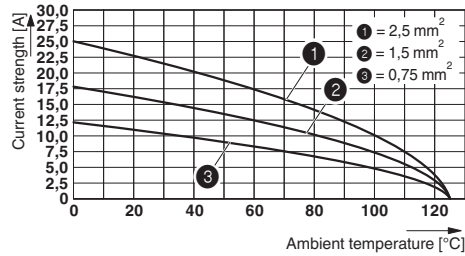
Dimensional drawing



Male 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		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
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CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
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mm²/AWG/kcmil	14
Nominal current I <sub>N</sub>	13.5 A
Nominal voltage U <sub>N</sub>	600 V

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
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mm²/AWG/kcmil	14
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	600 V

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