

## Contact insert - HC-D 7-I-CT-F - 1584347

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HEAVYCON female insert, D7 series, 7-pos., crimp connection, with IP65 sealing screw

### Product Features



### Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	14.0 GRM
Custom tariff number	85366990
Country of origin	China

### 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
Pollution degree	3
Surge voltage category	III
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
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Type	D7

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## Technical data

### General

Connection in acc. with standard	IEC / EN
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	The inserts may only be used in plastic housing at voltages > 42 V, as it is not possible to establish a connection between the protective conductor and housing. Product already includes one IP65 sealing screw.

### Ambient conditions

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

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

### Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27261205
eCl@ss 7.0	27440207
eCl@ss 8.0	27440205

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

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## Classifications

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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#### Approvals

UL Recognized / EAC / EAC / CSA

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	600 V

EAC
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EAC
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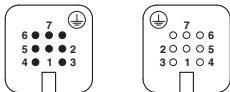
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## Approvals

CSA	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

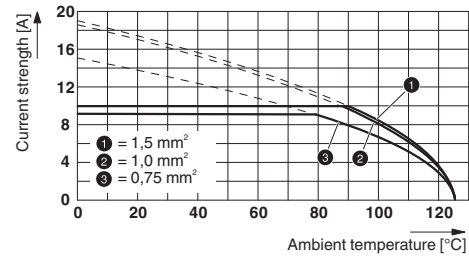
## Drawings

Schematic diagram



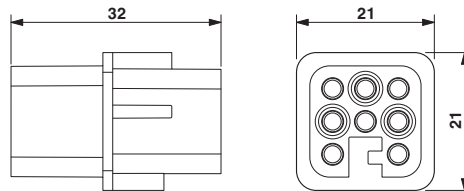
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: Series HC-D 7-I-CT..

Dimensional drawing



Female insert