

## Contact insert - HC-D 40-ESTC - 1772502

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HEAVYCON male insert, D40 series, 40-pos., crimp connection

RoHS

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 037178
GTIN	4017918037178
Weight per Piece (excluding packing)	69.700 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HC-D40 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage 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	40+PE

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## Technical data

### General

Insertion/withdrawal cycles	≥ 500
Size	B16
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	- Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.
Connection	Connectors may be plugged in only when there is no load/voltage.

### Ambient conditions

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

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

### Electrical characteristics

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

### Standards and Regulations

Connection in acc. with standard	IEC / EN
	CSA
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

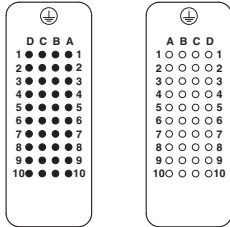
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

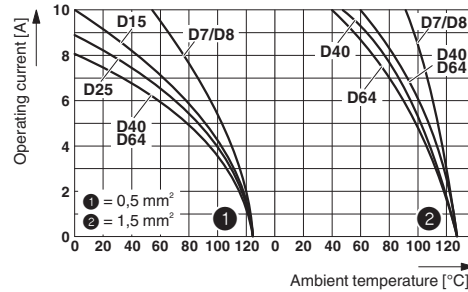
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Schematic diagram



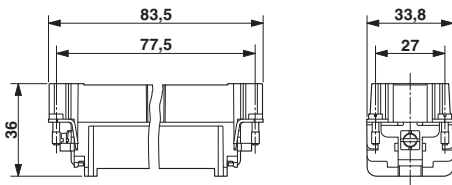
Connector pin assignment, connection side

Diagram



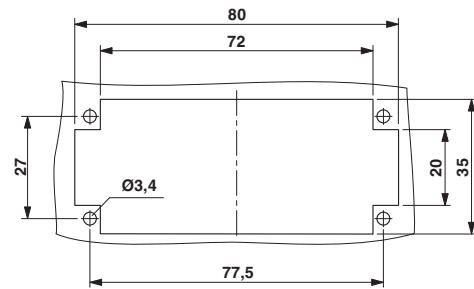
Derating diagram: HC-D...C series

Dimensional drawing



Male insert (turned contacts)

Dimensional drawing



Panel cutout

## Approvals

Approvals

Approvals


CSA / UL Recognized / EAC / EAC


Ex Approvals

Approval details

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### Approvals

CSA  <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/212533">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/212533</a>	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	300 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> FILE E 118976	
mm <sup>2</sup> /AWG/kcmil	22-16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

EAC EAC-Zulassung

EAC 7500651.22.01.00246