

# Contact insert - HC-D 15-ESTC-R - 1679469

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HEAVYCON male insert, D15 series, 15-pos., crimp connection, rolled contacts

The illustration shows version HC-D 15-ESTC



## Key commercial data

Packing unit	10 pc
GTIN	 4 017918 163693
Weight per Piece (excluding packing)	28.5 g
Custom tariff number	85366990
Country of origin	Czech Republic

## Technical data

### General

Note	For HC-D15 housing, crimp contacts CK1,6-ER (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	15+PE
Insertion/withdrawal cycles	≥ 500
Type	D15
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 16

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## Technical data

### General

Stripping length of the individual wire	3 mm +0,5 mm (0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> )
	3.5 mm +1 (0.5 mm <sup>2</sup> ... 1.5 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

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	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205

### ETIM

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

### UNSPSC

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

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## Approvals

Approvals

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Approvals

CSA / UL Recognized / EAC

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Ex Approvals

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Approvals submitted

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## Approval details

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

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

EAC
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## Accessories

Accessories

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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### Accessories

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Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

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### Crimp contact

Crimp contact - CK1,6-ER-0,50ST AG - 1884092



Rolled 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>

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Crimp contact - CK1,6-ER-1,50ST AG - 1884089



Rolled male contact, single contacts, silver-plated, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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Crimp contact - CK1,6-ER-2,50ST AG - 1884102



Rolled male contact, single contacts, silver-plated, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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### Mounting material

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## Accessories

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

## Plug assembly frame

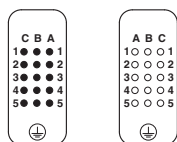
Connector assembly frame - HC-SMR-D15 - 1604010



HEAVYCON connector assembly frame, for contact inserts of type D15

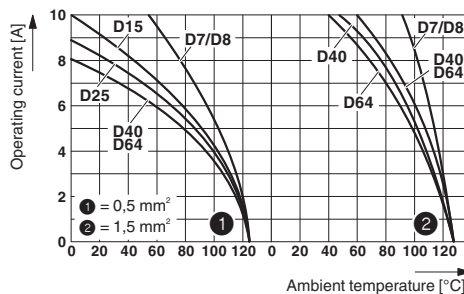
## Drawings

Schematic diagram

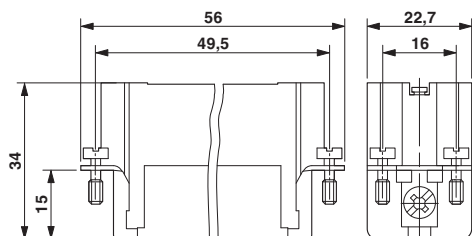


1 = male insert  
2 = female insert

Diagram

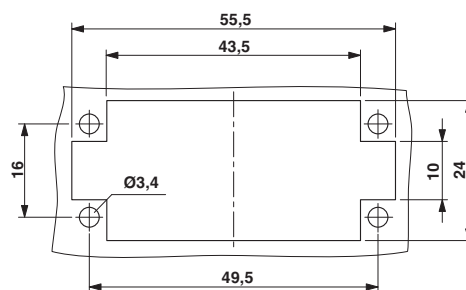


Dimensioned drawing



Male insert

Dimensioned drawing



Panel cutout

