

## Contact insert - HC-D 7-EBUC-R - 1679508

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HEAVYCON socket insert, D7 series, 7-pos., crimp connection, rolled contacts, with IP65 sealing screw



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	16.83 GRM
Custom tariff number	85366990
Country of origin	Czech Republic

### Technical data

#### General

Note	For HEAVYCON housing of type D7, crimp contacts CK1,6-ER / CK1,6-BR (crimp contacts not included in the 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
Design	D7
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 (0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> )
	3.5 mm +1,0 (0.5 mm <sup>2</sup> ... 1.5 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 housings at voltages >42 V, since it is not possible to connect the protective conductor and the housing with each other.

### 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	PBTP

### 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	27440209

### ETIM

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

### UNSPSC

UNSPSC 6.01	30211923
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals


Approvals


CSA / UL Recognized / GOST


Ex Approvals

Approvals submitted

### Approval details

CSA 	
Nominal current IN	10 A
Nominal voltage UN	600 V

UL Recognized 	
Nominal current IN	10 A
Nominal voltage UN	600 V

GOST 	
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## Accessories

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#### Crimp contact

Crimp contact - CK1,6-ER-0,50BU AG - 1884128



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

Crimp contact - CK1,6-ER-1,50BU AG - 1884115



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

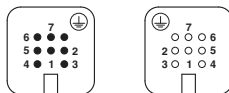
Crimp contact - CK1,6-ER-2,50BU AG - 1884131



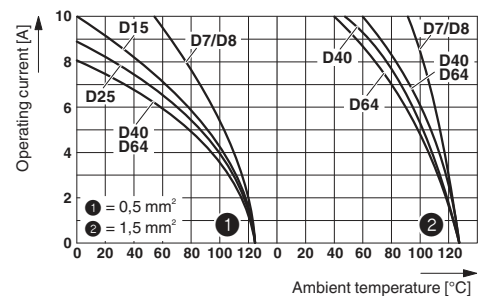
Rolled female contact, single contacts, silver-plated, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Drawings

### Schematic diagram



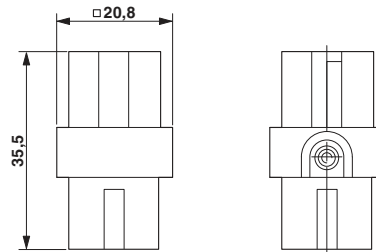
### Diagram



Derating diagram: HC-D...C series

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Dimensioned drawing



Female insert