

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

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 163730
GTIN	4017918163730

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
Degree of pollution	3
Overvoltage category	III
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 7
Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	3 mm +0,5 mm (0,14 mm ² ... 0,5 mm ²)
	3.5 mm +1 (0.5 mm ² ... 1.5 mm ²)
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

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Technical data

Ambient conditions

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

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

Standards and Regulations

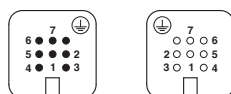
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

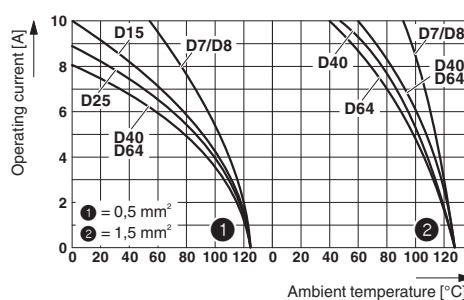
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram



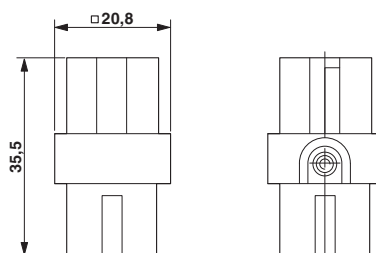
Diagram



Derating diagram: HC-D...C series

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Dimensional drawing



Female insert

Approvals

Approvals

Approvals

CSA / UL Recognized / GL / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	File 703204
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm²/AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm²/AWG/kcmil		14	

GL		http://exchange.dnv.com/tari/	6196614 HH
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Approvals

EAC		RU C- DE.AI30.B.01102
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