



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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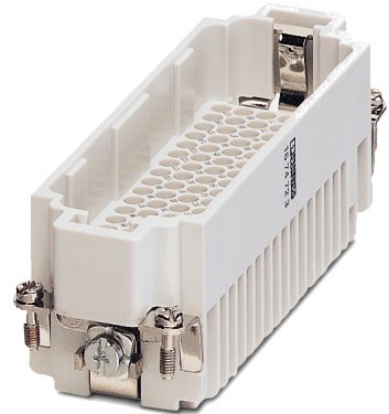
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# HC-DD 108-ESTC

Order No.: 1674723



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1674723>

HEAVYCON male insert, DD108 series, 108-pos., crimp connection

Commercial data	
GTIN (EAN)	 4 017918 144852
Note	Made-to-order
sales group	D005
Pack	10 pcs.
Customs tariff	85366990
Catalog page information	Page 361 (PC-2007)

### Product notes

WEEE/RoHS-compliant since:  
02/17/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

General data	
Note	For HEAVYCON ADVANCE and HEAVYCON housing of B24 type, crimp contacts CK 1,6-ED (crimp contacts not included in the scope of supply). Plug-in connections may only be operated only when there is no load/voltage.
Connection method	Crimp connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

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	108
Insertion/withdrawal cycles	≥ 500
Design	DD108
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	-Housing heights with h ≥ 72 mm are recommended in the case of a large number of wires.-Use of HC-CST (1676857) keying pins and HC-CBU (1676860) coding sockets has been prescribed.

#### Material data

Inflammability class acc. 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

#### Certificates / Approvals



Certification

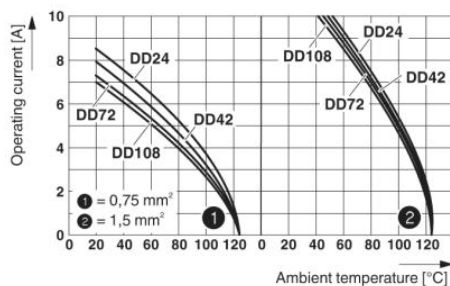
GOST

**Accessories**

Item	Designation	Description
<b>General</b>		
1586141	HC-B 24-ANDOCK	Docking frame for racks, for contact inserts of B24 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm
1644326	HC-B-3PE	PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts
1604997	HC-B-PES	PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64
1685327	HC-B-ZG	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit
1685330	HC-B-ZS	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
1772722	HC-CB	Coding pin, prevents mismatching of up to six plug connectors with an identical number of positions
1676860	HC-CBU	Keying socket for coding up to 16 plug connectors
1676857	HC-CST	Keying peg for coding up to 16 plug connectors
1660944	HC-SMP 150-B24-AMQ	HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24
1687985	HC-SMR-B24	HEAVYCON connector assembly frame, for contact inserts of type B24

**Diagrams/Drawings**

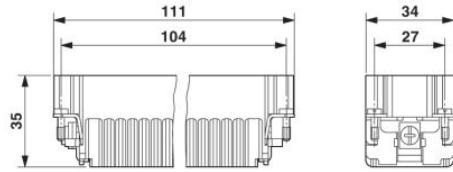
Diagram



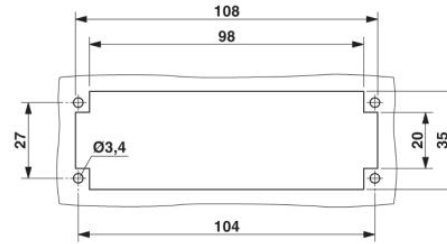
Derating diagram

Dimensioned drawing

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Male insert

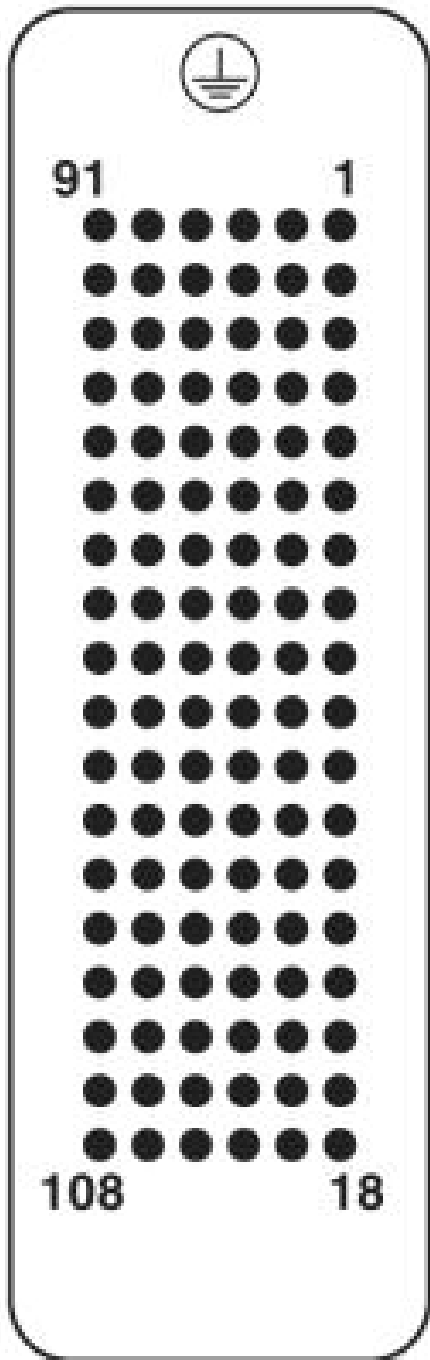


Panel cutout

Schematic diagram

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Connector pin assignment, connection side



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