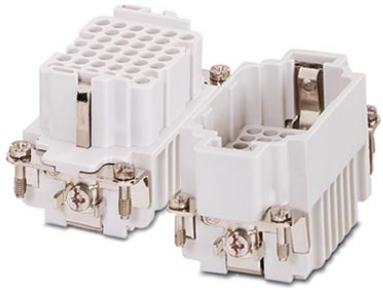
Extract from the online catalog

HC-DD 42-EBUC

Order No.: 1674671

The illustration shows a combination of versions HC-DD 42-EBUC and HC-DD 42-ESTC



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1674671

HEAVYCON female insert, DD42 series, 42-pos., crimp connection

Commercial data	
GTIN (EAN)	4 017918 144678
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: 03/01/2006

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 B10 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	42
Insertion/withdrawal cycles	≥ 500
Design	DD42
Connection in acc. with standard	IEC / EN
Conductor cross-section	0.14 mm² ... 2.5 mm²
Connection cross-section AWG	26 ... 14
Stripping length of the individual wire	8 mm
	6 mm (2.5 mm^2)
Assembly instructions	- Housing heights of h ≥ 72 mm are recommended when there is a high number of wires.- Use of HC-CST (1676857) keying pins and HC-CBU (1676860) keying sockets has been prescribed.
Connection	Connectors may be plugged in only when there is no load/ voltage.

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

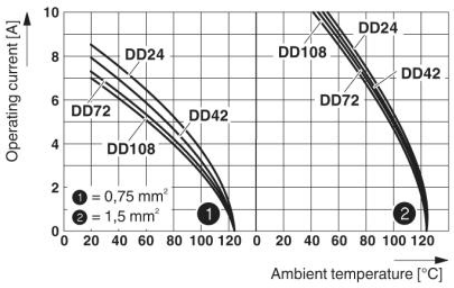
Certification	GOST

Accessories

Item	Designation	Description
General		
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 mismating 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
1660960	HC-SMP 125-B10-AMQ	HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B10
1687969	HC-SMR-B10	HEAVYCON connector assembly frame, for contact inserts of type B10

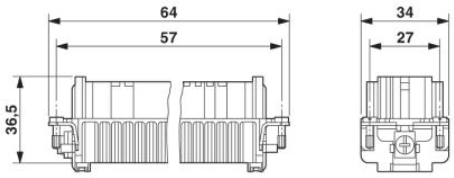
Diagrams/Drawings

Diagram

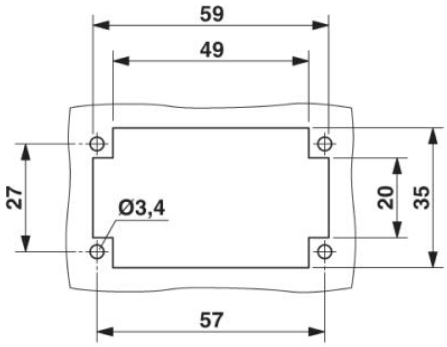


Derating diagram

Dimensioned drawing



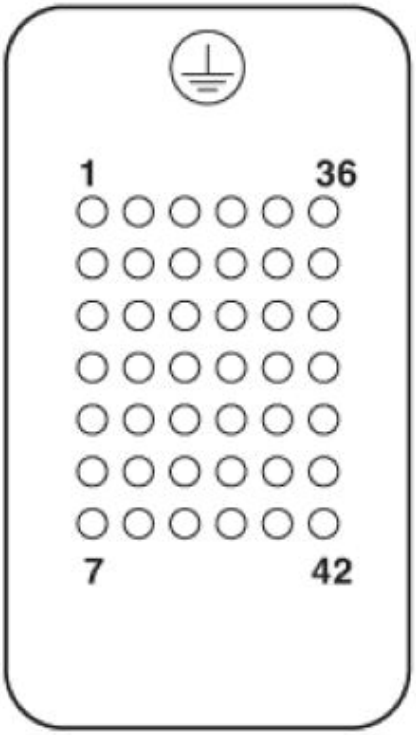
Female insert



Panel cutout

Schematic diagram

Connector pin assignment, connection side



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