![Chipsmall logo]

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!

Contact us

PHŒNIX CONTACT

Contact insert - HC-DD 72-EBUC-144 - 1674736

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HEAVYCON female insert, DD72 series, 72-pos., crimp connection, numbering from 73-144

Key commercial data

Packing unit	1 PCE
GTIN	4 017918 144784
Weight per Piece (excluding packing)	71.74 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Note	For HEAVYCON ADVANCE housing of B16 type and HEAVYCON housing of B32 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
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	72+PE
Insertion/withdrawal cycles	≥ 500

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Technical data

General

Design	DD72
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 mm²)
Assembly instructions	-Housing heights with h >= 72 mm are recommended in the case of a large number of wires. -Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.

Ambient conditions

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

Material data

Inflammability class according 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

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

ETIM

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

Contact insert - HC-DD 72-EBUC-144 - 1674736

Classifications

UNSPSC

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

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST

Accessories

Accessories

Adapter plate

Adapter plate - HC-B 24-ADP-B 16-GY - 1660449

HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray

Assembly tool

Contact insert - HC-DD 72-EBUC-144 - 1674736

Accessories

Removal tool - VC-EW 1,6 - 1884869

Contact removal tool, for turned and rolled CK- 1.6-... contacts

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Coding element

Coding element - HC-CBU - 1676860

Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722

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

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Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

Docking frame

Docking frames - HC-B 16-ANDOCK - 1586138

Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

Contact insert - HC-DD 72-EBUC-144 - 1674736

Accessories

Mounting material

Mounting material - HC-B-PES - 1604997

PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326

PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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Strain relief clamp - HC-B-ZG - 1685327

Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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Strain relief clamp - HC-B-ZS - 1685330

Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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Plug assembly frame

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Contact insert - HC-DD 72-EBUC-144 - 1674736

Accessories

Connector assembly frame - HC-SMR-B16 - 1687972

HEAVYCON connector assembly frame, for contact inserts of type B16
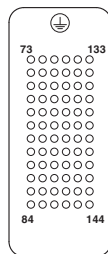

Plug mounting plate

Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973

HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16
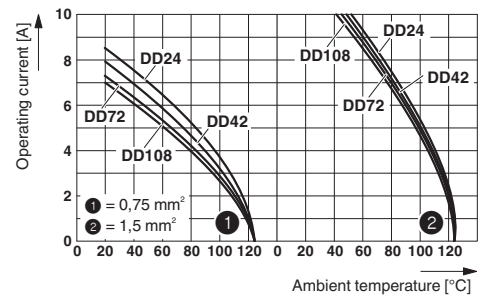

Drawings

Schematic diagram

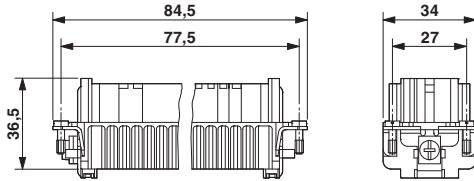Connector pin assignment, connection side
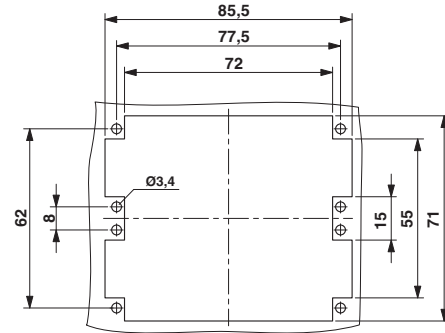
Diagram

Derating diagram

Contact insert - HC-DD 72-EBUC-144 - 1674736

Dimensioned drawing

Dimensioned drawing

84,5

77,5

34

27

36,5

Female insert

85,5

77,5

72

62

8

Ø3,4

15

55

71

Panel cutout

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