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## Contact insert - HC-DD72-I-CT-M-144 - 1584088

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HEAVYCON male insert, DD72 series, 72-pos., 73 ... 144 color print, crimp connection. PE connection using tension sleeve technology.



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	71.05 GRM
Custom tariff number	85366990
Country of origin	China

### Technical data

#### General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 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
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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## Technical data

### General

Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm (2.5 mm <sup>2</sup> ))
	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) coding pins and HC-CBU (1676860) coding sockets has been prescribed.
Connection	Connectors may be plugged in only when there is no load/voltage.

### 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	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	272607xx
eCl@ss 4.1	27260701
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 3.0	EC000438
ETIM 4.0	EC000437
ETIM 5.0	EC000437

# Contact insert - HC-DD72-I-CT-M-144 - 1584088

## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	26-14
Nominal current I <sub>N</sub>	7 A
Nominal voltage U <sub>N</sub>	250 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

## Contact insert - HC-DD72-I-CT-M-144 - 1584088

### Approvals

cUL Recognized 	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	7 A
Nominal voltage U <sub>N</sub>	250 V

cULus Recognized 	
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### 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

Removal tool - VC-EW 1,6 - 1884869



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

#### Coding element

## Contact insert - HC-DD72-I-CT-M-144 - 1584088

### Accessories

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

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Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching 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

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### Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-DD72-I-CT-M-144 - 1584088

### Accessories

Crimp contact - CK1,6-ED-0,50ST AG - 1663349



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,75ST AG - 1663352



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-1,00ST AG - 1663365



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-1,50ST AG - 1663378



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-2,50ST AG - 1663381



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-DD72-I-CT-M-144 - 1584088

### Accessories

Crimp contact - CK1,6-ED-0,37ST AU - 1674901



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,50ST AU - 1672453



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,75ST AU - 1674914



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-1,00ST AU - 1674888



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-1,50ST AU - 1674875



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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## Contact insert - HC-DD72-I-CT-M-144 - 1584088

### Accessories

Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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### Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

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### 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

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### Mounting material

Mounting material - HC-B-PES - 1604997



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

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### Accessories

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

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

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### Plug mounting plate

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



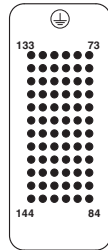
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

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## Accessories

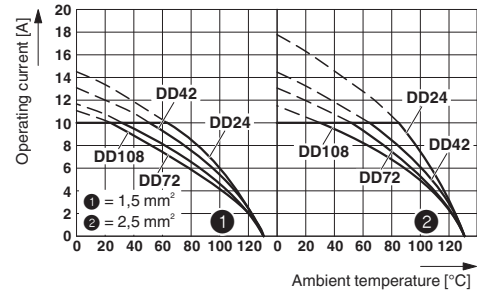
## Drawings

Schematic diagram



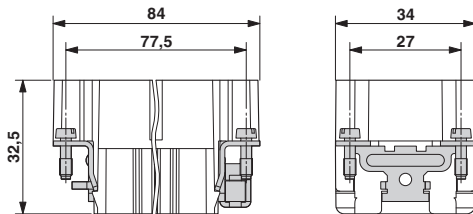
Connector pin assignment, connection side

Diagram



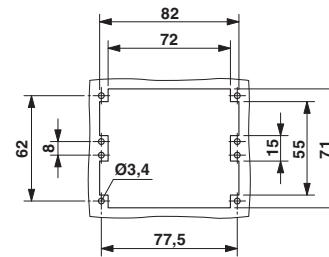
Derating diagram

Dimensioned drawing



Male insert

Dimensioned drawing



Panel cutout