

# Contact insert - HC-DD42-I-CT-M - 1584059

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HEAVYCON male insert, DD42 series, 42-pos., crimp connection. PE connection using tension sleeve technology.

## Key commercial data

package_quantity	10
GTIN	4046356133364

## Technical data

### General

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
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN VDE 0627/86
Constructional and testing regulations	DIN VDE 0110/02.79
Constructional and testing regulations	DIN VDE 0110-1/04.97
Constructional and testing regulations	IEC 60664-1, DIN IEC 60512
Constructional and testing regulations	IEC 60352
Number of positions	42+PE
Insertion/withdrawal cycles	≥ 500
Design	B10
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> ))
Stripping length of the individual wire	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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## Technical data

### 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

### UNSPSC

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

## approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized /

### Approval details



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## approvals

Nominal voltage UN	250 V
Nominal current IN	7 A
mm <sup>2</sup> /AWG/kcmil	26-14

**UL Recognized**

Nominal voltage UN	250 V
Nominal current IN	10 A
mm <sup>2</sup> /AWG/kcmil	14

**cUL Recognized**

Nominal voltage UN	250 V
Nominal current IN	7 A
mm <sup>2</sup> /AWG/kcmil	14

**cULus Recognized**

## accessories

### Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



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accessories

HC-B-ZG - 1685327



HC-B-ZS - 1685330



**Coding element**

CP-HC - 1686478



HC-CBU - 1676860



HC-CB - 1772722



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accessories

HC-CST - 1676857



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### Plug assembly frame

HC-SMR-B10 - 1687969



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### Plug mounting plate

HC-SMP 125-B10-AMQ - 1660960



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### Assembly tool

VC-EW 1,6 - 1884869



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### Adapter plate

HC-B 24-ADP-B 10-GY - 1660436



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accessories

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## Docking frame

HC-B 10-ANDOCK - 1586125



## Crimping tool

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



## Crimp contact

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



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



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



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### accessories

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



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



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



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



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



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



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accessories

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



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



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

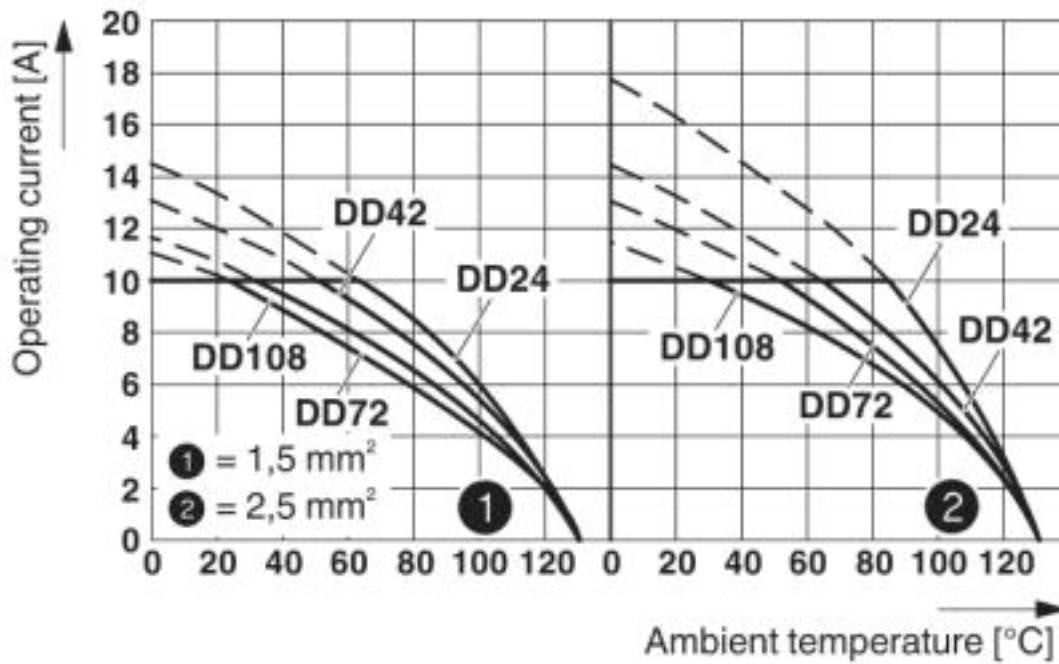


Drawings



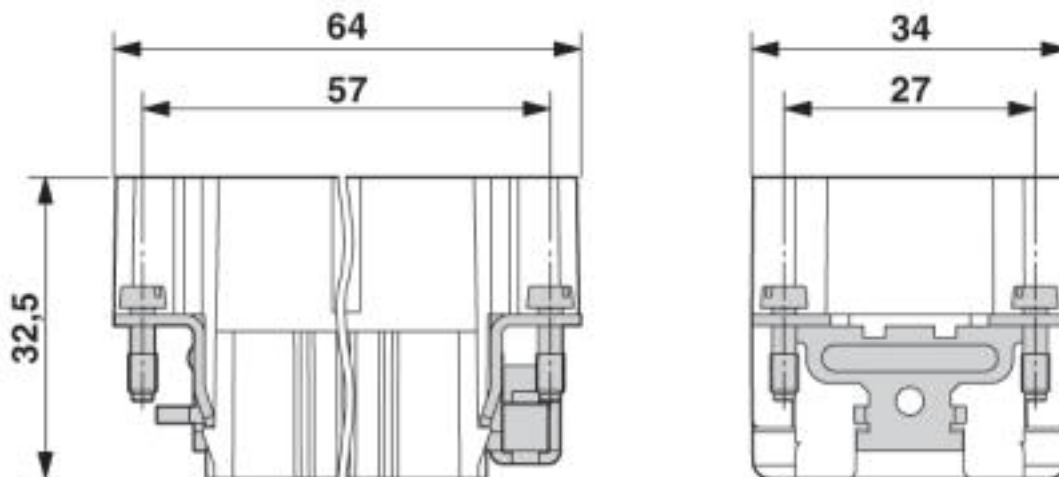
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Diagram



Derating diagram

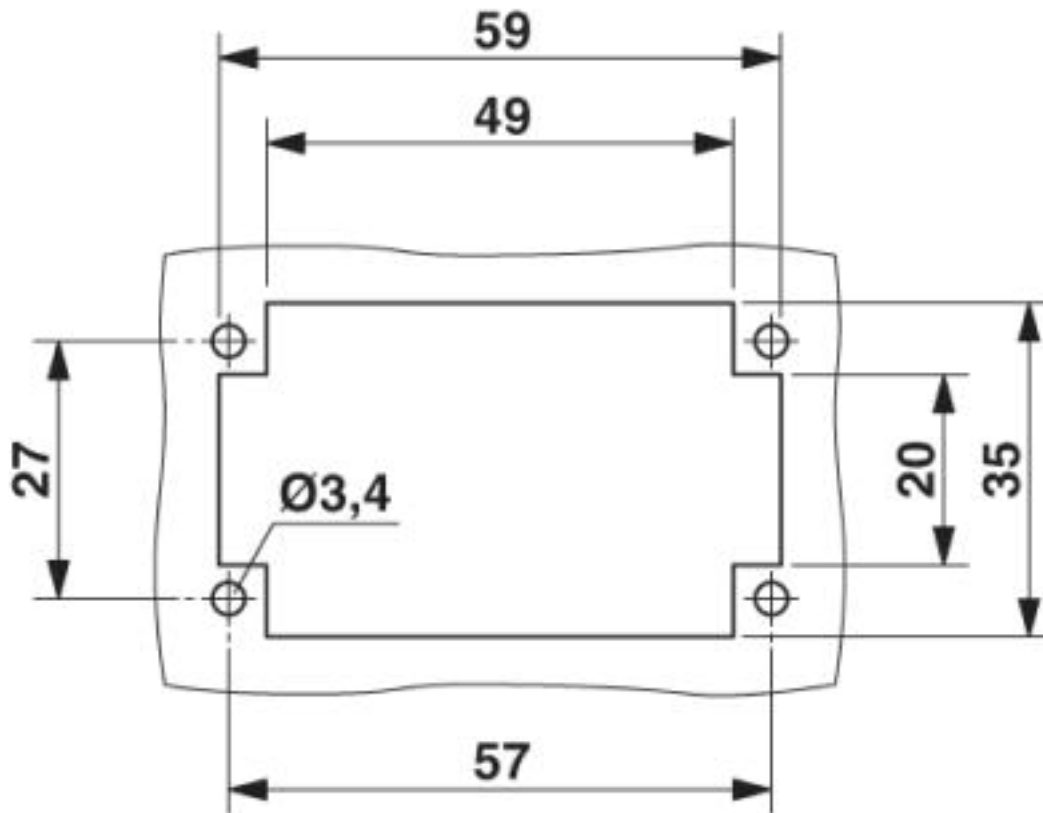
Dimensioned drawing



Male insert

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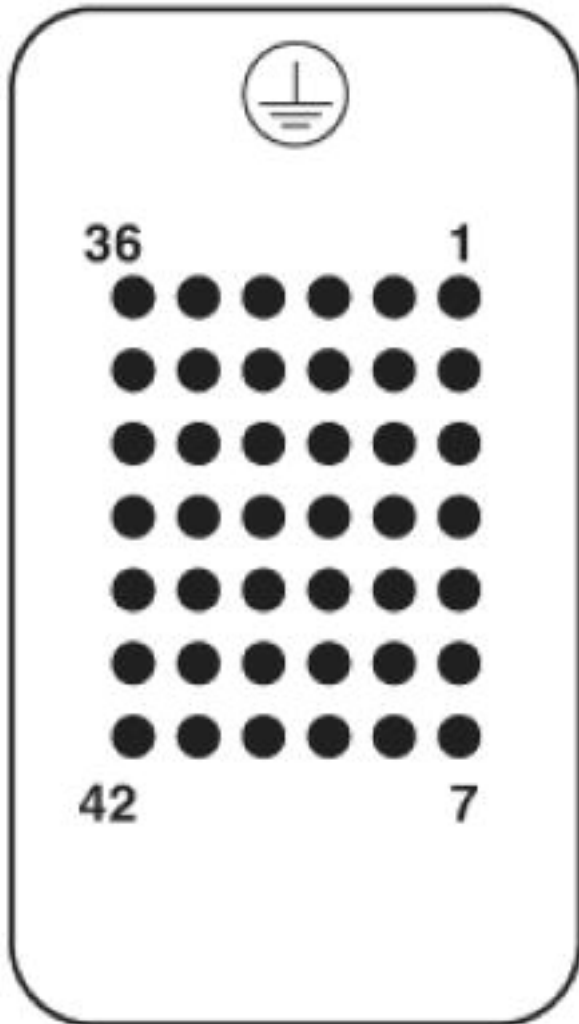
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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