

# Contact insert - HC-BB 10-ESTC - 1687448

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HEAVYCON male insert, BB10 series, 10-pos., crimp connection

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4017918609429

## Technical data

### General

<b>Note</b>	For HC-B6 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
<b>Connection method</b>	Crimp connection
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Number of positions</b>	10+PE
<b>Insertion/withdrawal cycles</b>	≥ 500
<b>Type</b>	B6
<b>Conductor cross section</b>	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
<b>Connection cross section AWG</b>	20 ... 12
<b>Stripping length of the individual wire</b>	7.5 mm
<b>Assembly instructions</b>	- Housing heights of h ≥ 72 mm are recommended when there is a high number of wires.
<b>Connection</b>	Connectors may be plugged in only when there is no load/voltage.

### Ambient conditions

<b>Ambient temperature (operation)</b>	-40 °C ... 125 °C (including heating up of contacts)
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### Material data

<b>Inflammability class according to UL 94</b>	V0
<b>Contact material</b>	Copper alloy
<b>Contact surface material</b>	Ag (alternatively Au)
<b>Contact carrier material</b>	PC

### Electrical characteristics

<b>Rated voltage (III/3)</b>	500 V
<b>Rated surge voltage</b>	6 kV

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## Technical data

### Electrical characteristics

<b>Rated current</b>	16 A
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## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27140816
<b>eCl@ss 4.1</b>	27140816
<b>eCl@ss 5.0</b>	27143424
<b>eCl@ss 5.1</b>	27143424
<b>eCl@ss 6.0</b>	27261205
<b>eCl@ss 7.0</b>	27440207
<b>eCl@ss 8.0</b>	27440207

### ETIM

<b>ETIM 2.0</b>	EC000438
<b>ETIM 3.0</b>	EC000438
<b>ETIM 4.0</b>	EC000438
<b>ETIM 5.0</b>	EC000438


### UNSPSC


<b>UNSPSC 6.01</b>	30211923
<b>UNSPSC 7.0901</b>	39121522
<b>UNSPSC 11</b>	39121522
<b>UNSPSC 12.01</b>	39121522
<b>UNSPSC 13.2</b>	39121522

## approvals

CSA / UL Recognized / GOST /

### Approval details

	
Nominal voltage UN	600 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	20-12

	
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approvals



accessories

## Mounting material

HC-B-PES - 1604997



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HC-B-3PE - 1644326



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HC-B-ZG - 1685327



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HC-B-ZS - 1685330



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## Coding element

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accessories

HC-CBU - 1676860



HC-CB - 1772722



HC-CST - 1676857



CK2,5-ED-BB - 1584693



### **Plug assembly frame**

HC-SMR-2B 6 - 1687998



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### accessories

HC-SMR-B 6 - 1687956



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### Plug mounting plate

HC-SMP 125-B 6-AML - 1660957



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### Adapter plate

HC-B 24-ADP-B 6-GY - 1660407



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### Docking frame

HC-B 6-ANDOCK - 1586112



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### Assembly tool

CK2,5-EWZ - 1662722



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accessories

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## Crimping tool

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



## Crimp contact

CK2,5-ED-0,50ST AG - 1663572



CK2,5-ED-0,75ST AG - 1663585



CK2,5-ED-1,00ST AG - 1663598



CK2,5-ED-1,50ST AG - 1663608



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### accessories

CK2,5-ED-2,50ST AG - 1663611



CK2,5-ED-3,00ST AG - 1663624



CK2,5-ED-4,00ST AG - 1663637



CK2,5-ED-0,50ST AU - 1674804



CK2,5-ED-1,00ST AU - 1674781



CK2,5-ED-1,50ST AU - 1674778



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### accessories

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CK2,5-ED-2,50ST AU - 1674817



CK2,5-ED-4,00ST AU - 1674794



### accessories

CK2,5-ED-0,37ST AG - 1585650



CK2,5-ED-0,37ST AU - 1585663

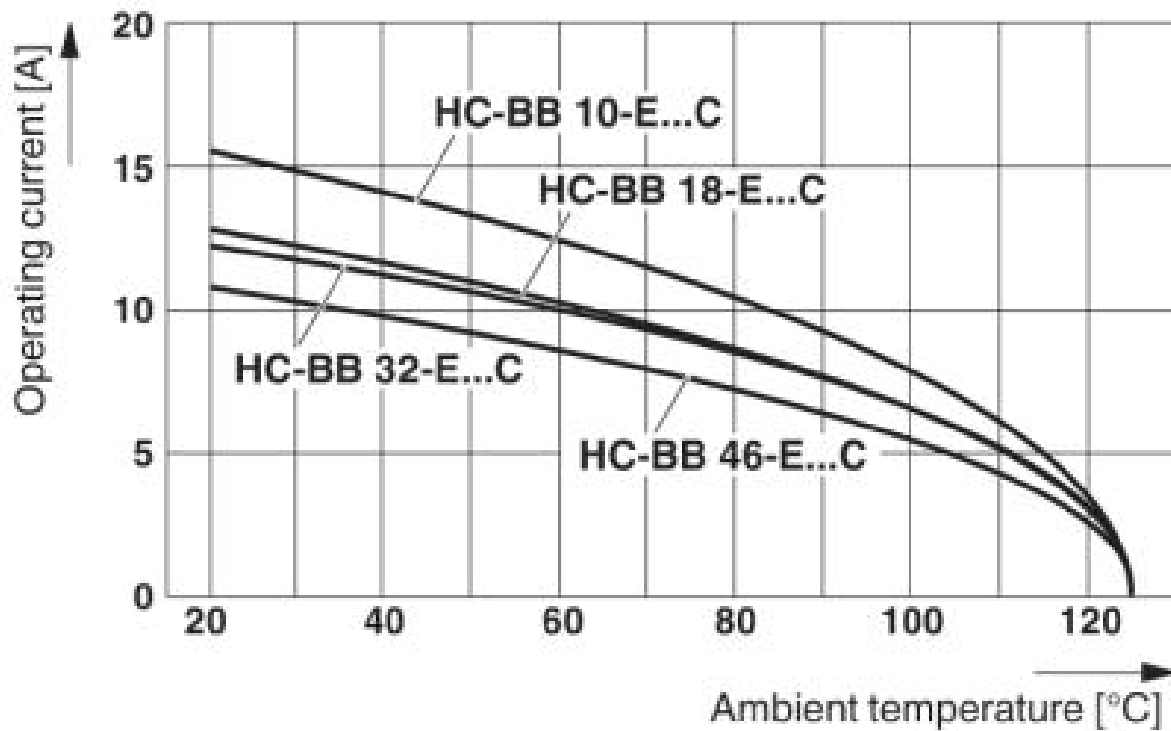


### Drawings



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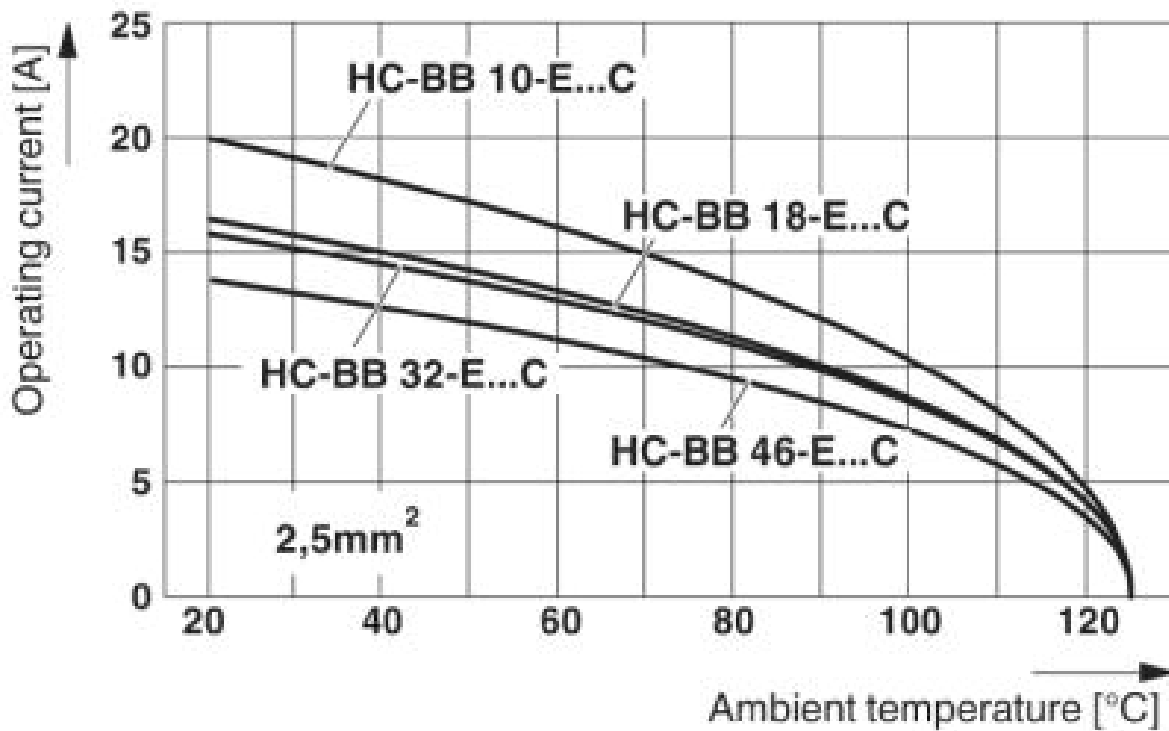
Diagram



Derating diagram: Conductor cross section 1.5 mm<sup>2</sup>

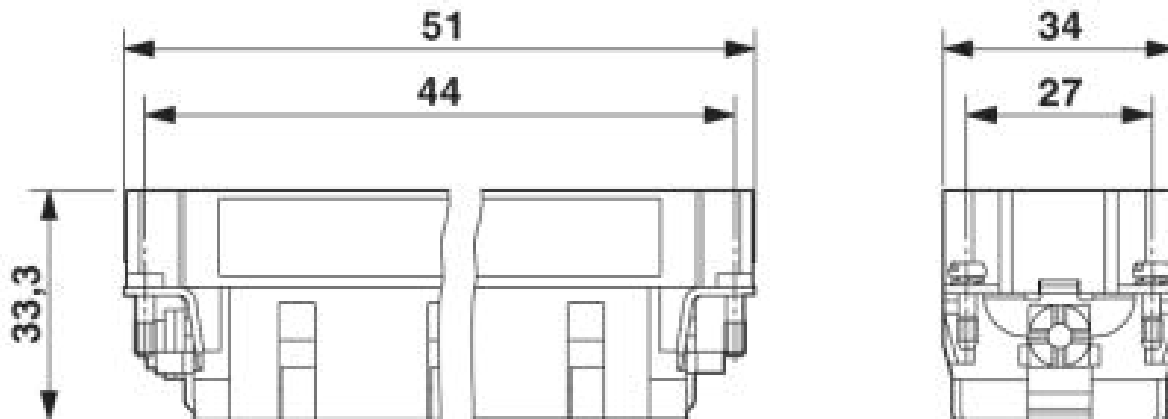
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Diagram



Derating diagram: Conductor cross section 2.5 mm²

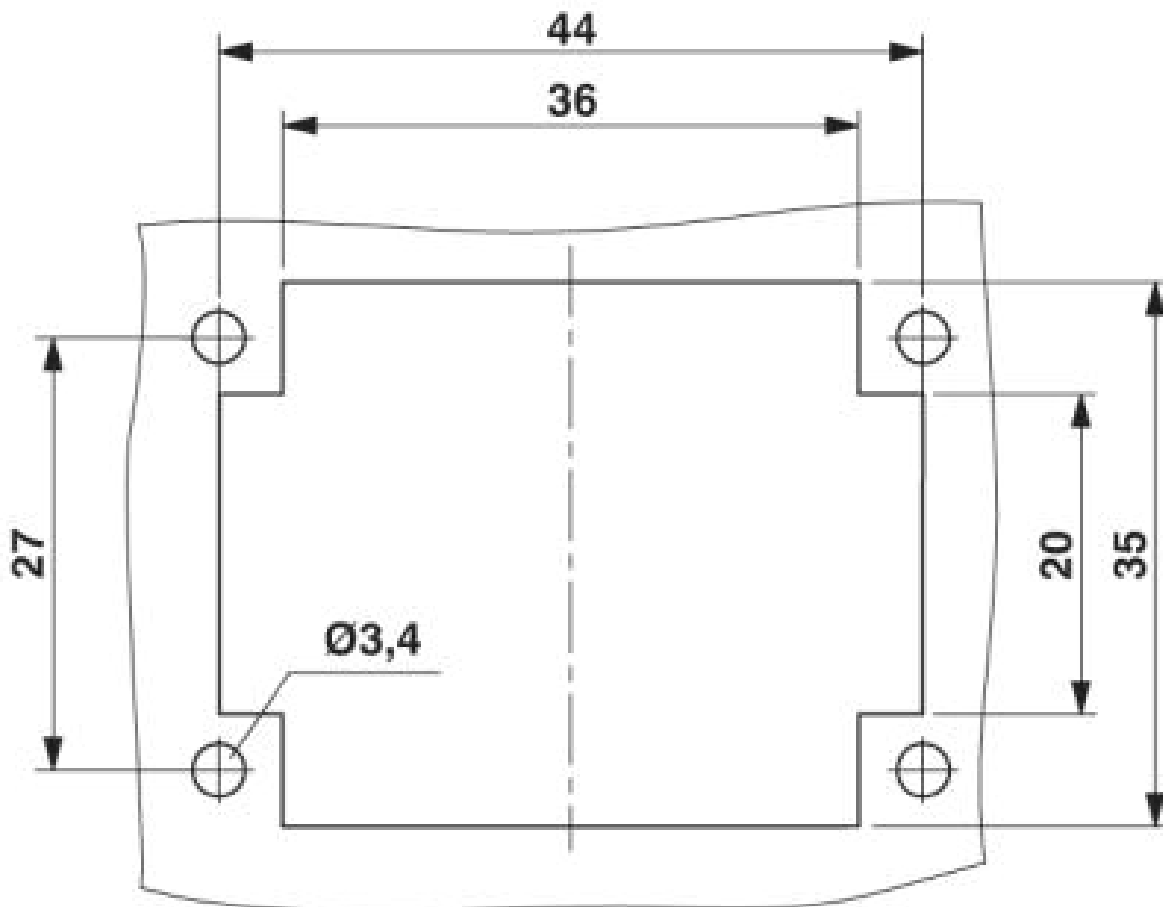
Dimensioned drawing



Male insert

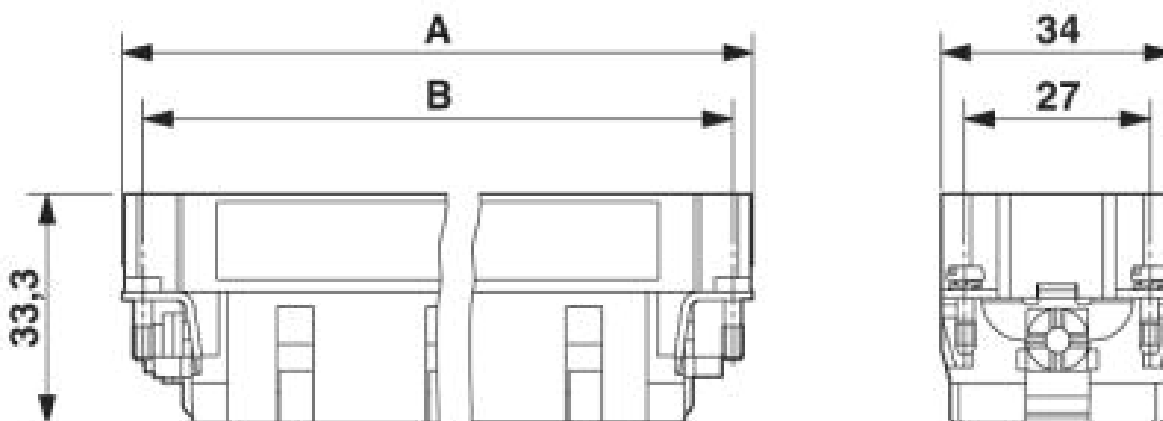
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Dimensioned drawing



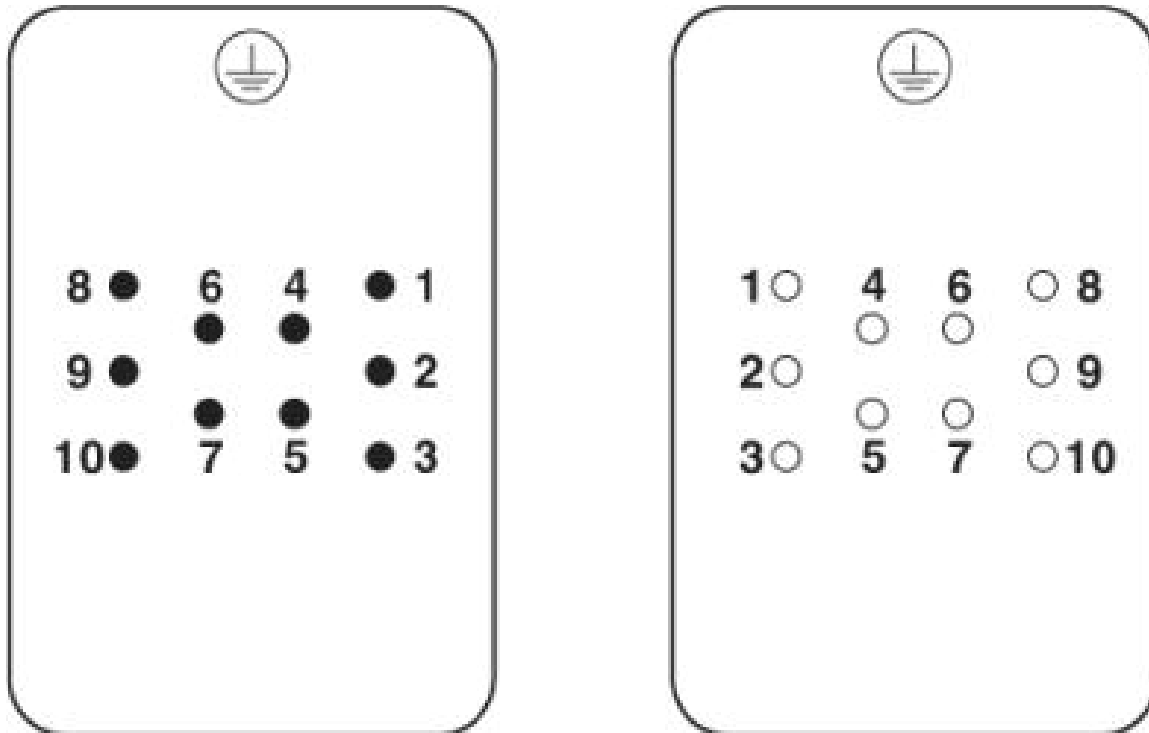
Panel cutout

Dimensioned drawing



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Schematic diagram



Connector pin assignment: Left pin - right socket

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