

# Contact insert - HC-BB 46-ESTC - 1687503

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HEAVYCON male insert, BB46 series, 46-pos., crimp connection

## Key commercial data

package_quantity	1
GTIN	4017918609474

## Technical data

### General

Note	For HC-B24 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Number of positions	46+PE
Insertion/withdrawal cycles	≥ 500
Type	B24
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm
Assembly instructions	- Housing heights of h ≥ 72 mm are recommended when there is a high number of wires.
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	PC

### Electrical characteristics

Rated voltage (III/3)	500 V
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## Technical data

### Electrical characteristics

<b>Rated surge voltage</b>	6 kV
<b>Rated current</b>	16 A

## 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

## Contact insert - HC-BB 46-ESTC - 1687503

approvals

UL Recognized 

GOST 

accessories

**Mounting material**

HC-B-PES - 1604997



HC-B-3PE - 1644326



HC-B-ZG - 1685327



HC-B-ZS - 1685330



**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-B24 - 1687985



**Plug mounting plate**

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### accessories

HC-SMP 150-B24-AMQ - 1660944



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### Docking frame

HC-B 24-ANDOCK - 1586141



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### Assembly tool

CK2,5-EWZ - 1662722



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### Crimping tool

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



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### Crimp contact

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



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accessories

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



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



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



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



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



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### accessories

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



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



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



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accessories

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accessories

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



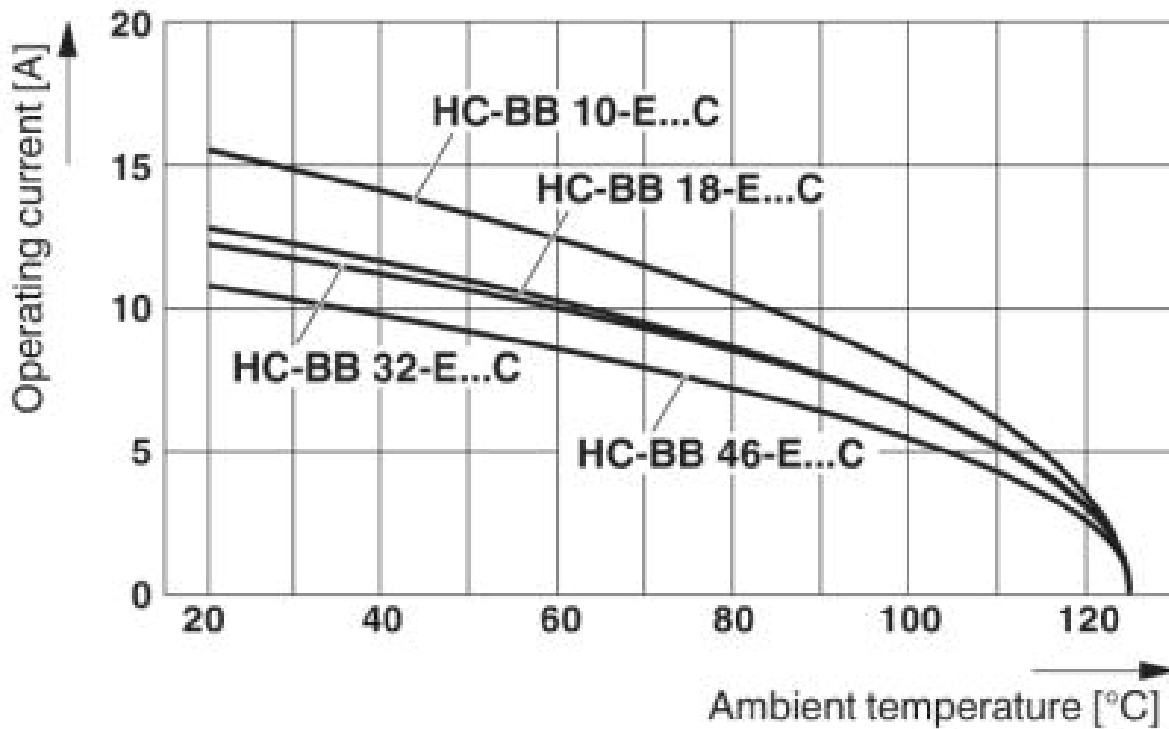
CK2,5-ED-0,37ST AU - 1585663



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## Drawings

Diagram

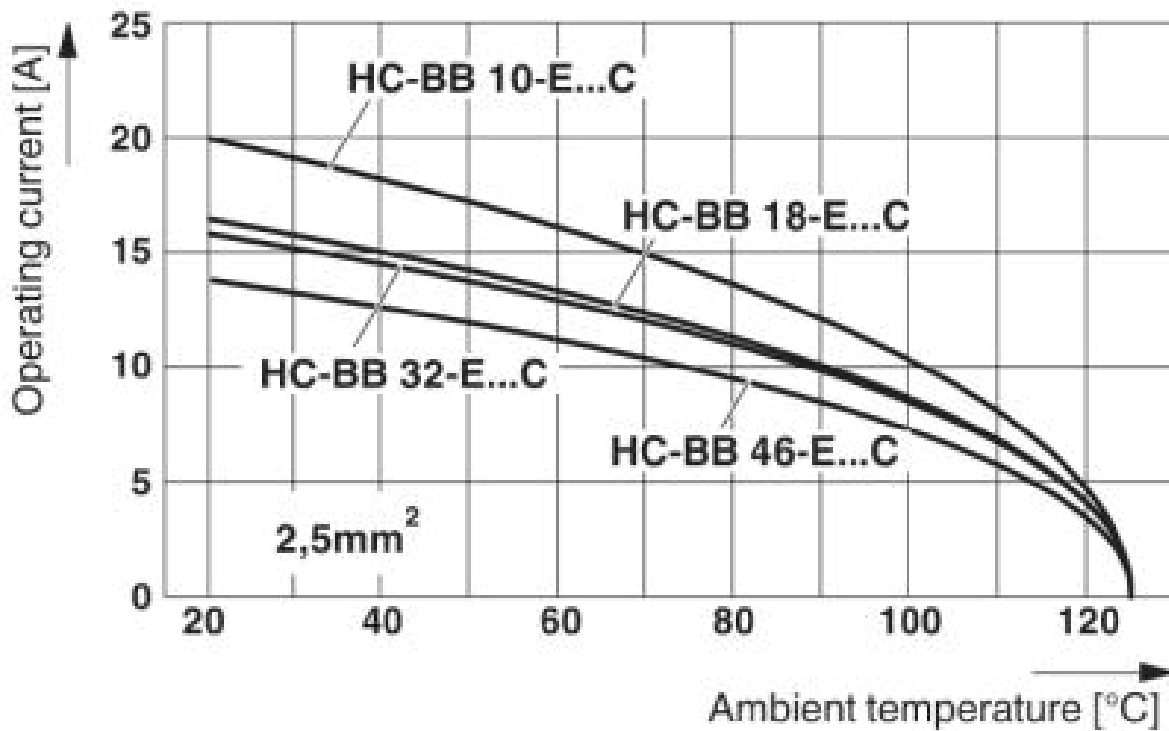


Derating diagram: Conductor cross section 2.5 mm<sup>2</sup>



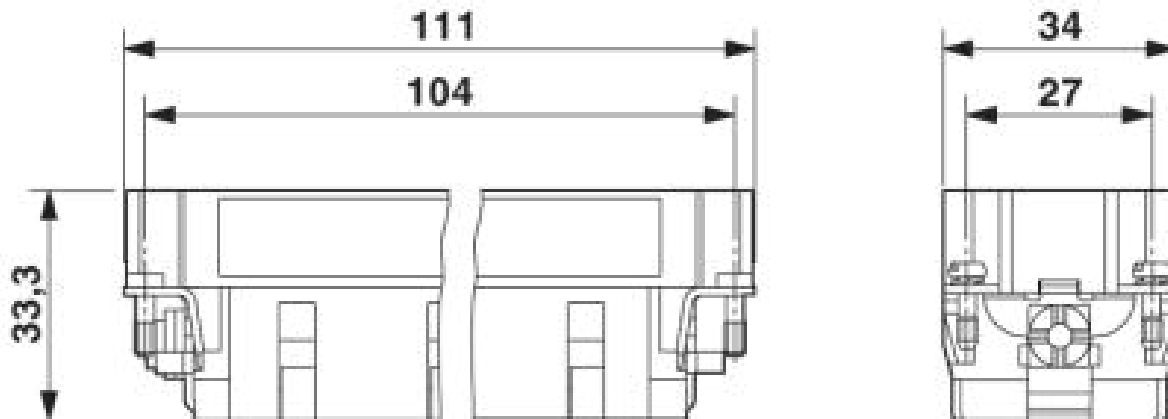
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Diagram



Derating diagram: Conductor cross section 2.5 mm<sup>2</sup>

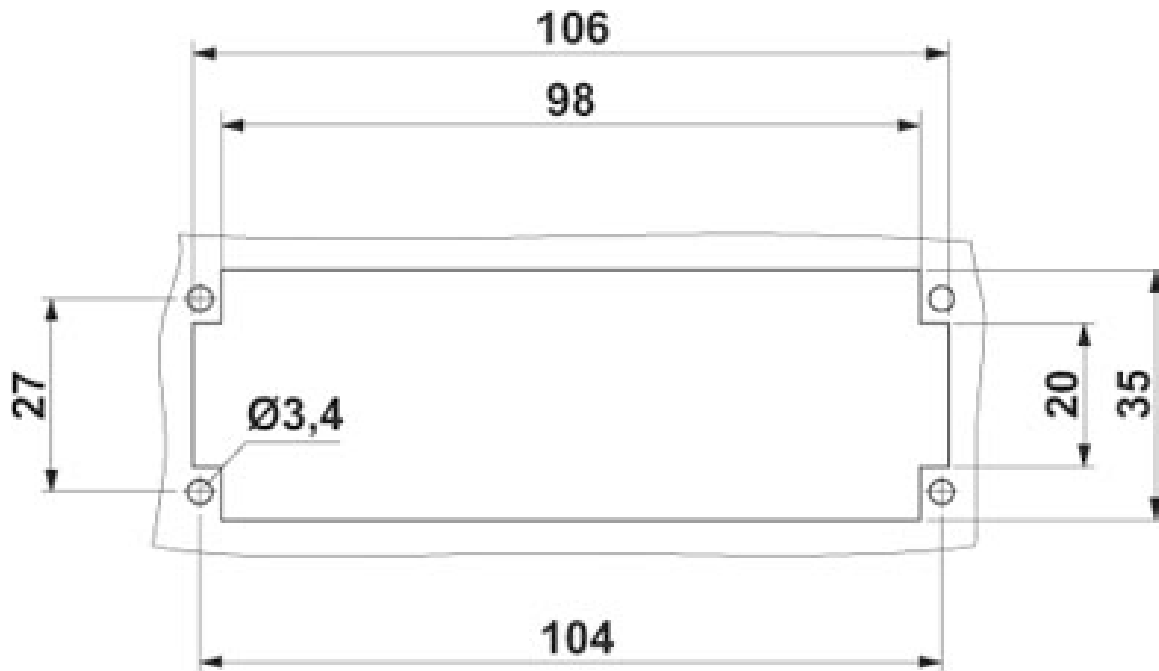
Dimensioned drawing



Male insert

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Dimensioned drawing



Panel cutout

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Schematic diagram

