

## Contact insert - HC-BB 18-ESTC - 1687464

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HEAVYCON male insert, BB18 series, 18-pos., crimp connection



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	50.8 g
Custom tariff number	85366990
Country of origin	Romania

### Technical data

#### General

Note	For HC-B10 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Overvoltage category	III
Number of positions	18+PE
Insertion/withdrawal cycles	≥ 500
Type	B10
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 $h \geq 72$ 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

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## Technical data

### Ambient conditions

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

Flammability rating 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
Rated surge voltage	6 kV
Rated current	16 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	27261205
eCl@ss 7.0	27440207
eCl@ss 8.0	27440205

### ETIM

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

### UNSPSC

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

## Approvals

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## Approvals

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Approvals

CSA / UL Recognized / EAC / EAC

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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	20-12
Nominal current I <sub>N</sub>	16 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 

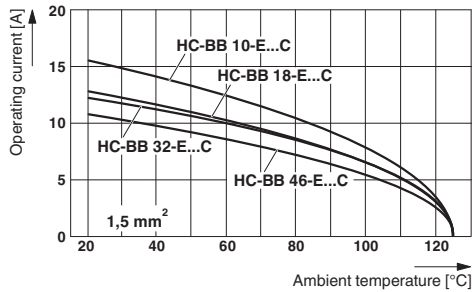
EAC

EAC

## Drawings

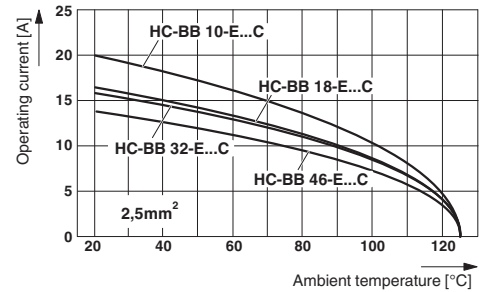
# Contact insert - HC-BB 18-ESTC - 1687464

Diagram



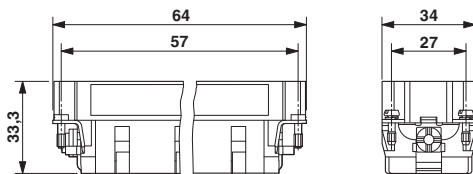
Derating diagram: Conductor cross section 1.5 mm<sup>2</sup>

Diagram



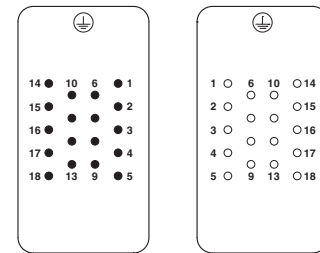
Derating diagram: Conductor cross section 2.5 mm<sup>2</sup>

Dimensional drawing



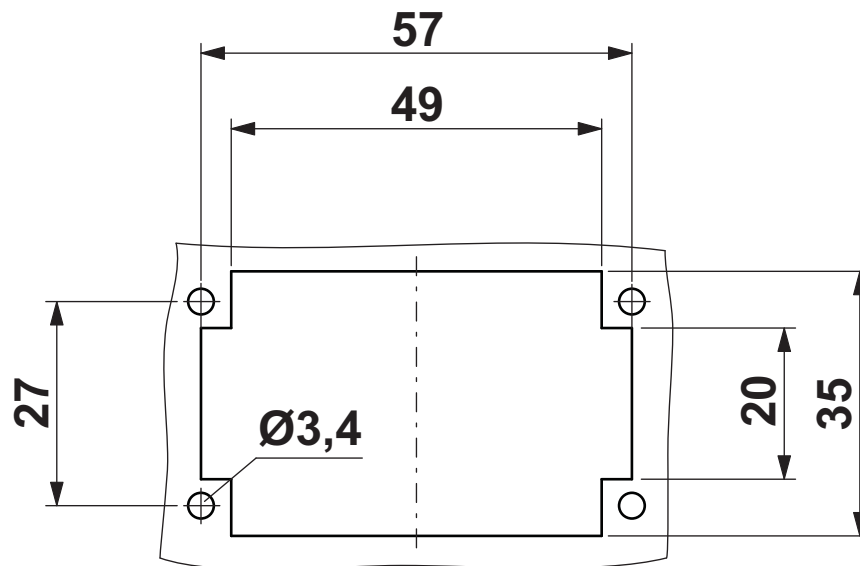
Male insert

Schematic diagram



Connector pin assignment: Left pin - right socket

Dimensional drawing



Panel cutout

