

# HC-BB 10-EBUC


Order No.: 1687435



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1687435>

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

## Commercial data

GTIN (EAN)	 4 017918 609412
sales group	D001
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 436 (PC-2009)

## Product notes

WEEE/RoHS-compliant since:  
06/22/2006



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## Technical data

### General data

Note	For HC-B6 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Pollution degree	3
Surge voltage category	III

Number of positions	10
Insertion/withdrawal cycles	≥ 500
Design	BB10
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.

#### Material data

Inflammability class acc. 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

#### Certificates / Approvals



Certification

CSA, GOST, UL

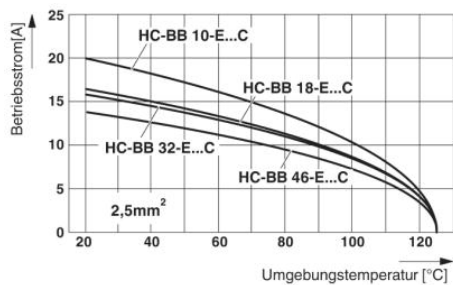
#### Accessories

Item	Designation	Description
<b>General</b>		
1584693	CK2,5-ED-BB	Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts
1586112	HC-B 6-ANDOCK	Docking frame for racks, for contact inserts of B10 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

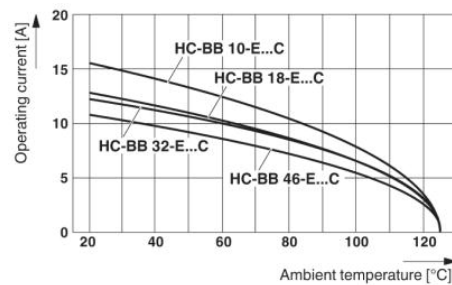
1660407	HC-B 24-ADP-B 6-GY	HEAVYCON adapter plate, type B24 on B6, for panel cutouts of type B24, gray
1644326	HC-B-3PE	PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts
1604997	HC-B-PES	PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64
1685327	HC-B-ZG	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit
1685330	HC-B-ZS	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
1772722	HC-CB	Coding pin, prevents mismatching of up to six plug connectors with an identical number of positions
1676860	HC-CBU	Keying socket for coding up to 16 plug connectors
1676857	HC-CST	Keying peg for coding up to 16 plug connectors
1660957	HC-SMP 125-B 6-AML	HEAVYCON connector assembly frame with panel mounting base with single locking latch, for contact inserts of type B6
1687998	HC-SMR-2B 6	HEAVYCON connector assembly frame, for two contact inserts of type B6
1687956	HC-SMR-B 6	HEAVYCON connector assembly frame, for contact inserts of type B6

**Diagrams/Drawings**

Diagram

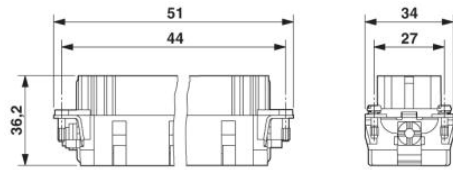


Derating diagram: Conductor cross section 2.5 mm<sup>2</sup>

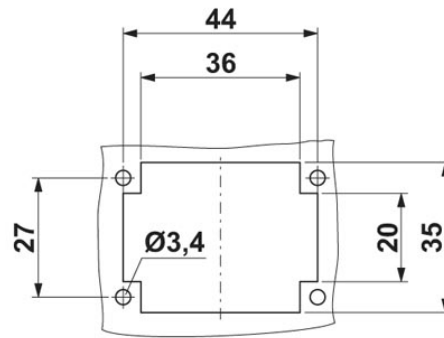


Derating diagram: Conductor cross section 1.5 mm<sup>2</sup>

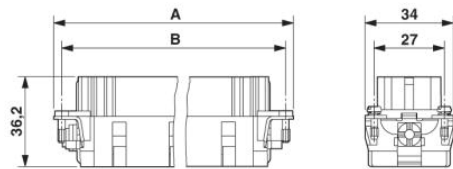
Dimensioned drawing



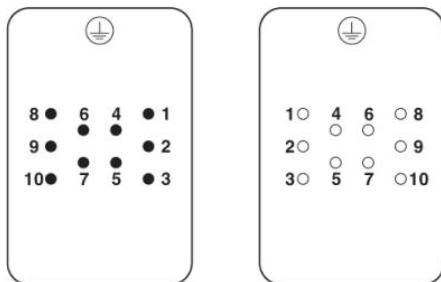
Female insert



Mounting cut-out



Schematic diagram



Connector pin assignment: Left pin - right socket

**Address**

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