

Contact insert - HC-BB 10-EBUC - 1687435

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



RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 609412
GTIN	4017918609412

Technical data

General

Note	For HC-B6 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Size	B6
Contact numbering	1 - 10
Conductor cross section	0.5 mm² ... 4 mm²
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 only be inserted when there is no load/the power is switched off. Crimp contacts removed using the removal tool (1662722)

Ambient conditions

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

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

Standards and Regulations

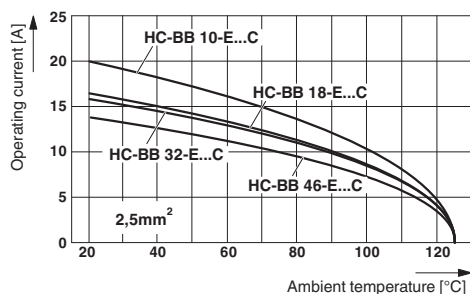
Connection in acc. with standard	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

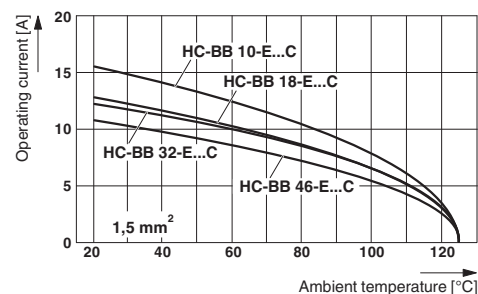
Drawings

Diagram



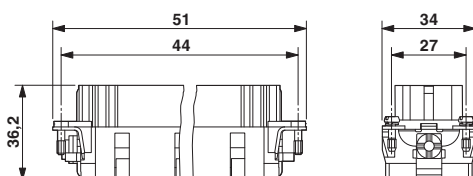
Derating diagram: Conductor cross section 2.5 mm²

Diagram



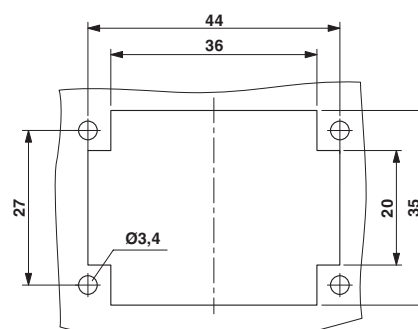
Derating diagram: Conductor cross section 1.5 mm²

Dimensional drawing



Female insert

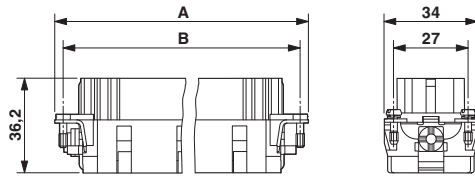
Dimensional drawing



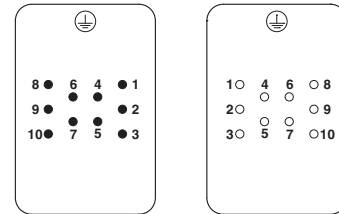
Mounting cutout

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Dimensional drawing



Schematic diagram



Connector pin assignment: Left pin - right socket

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