

Contact insert - HC-B 6-I-DT-M - 1648131


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HEAVYCON male insert, B6 series, 6-pos., push-in connection

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 046356 092258
GTIN	4046356092258

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B6 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage.
Connection method	Push-in connection
Degree of pollution	3
Overvoltage category	III
Number of positions	6+PE
Insertion/withdrawal cycles	≥ 500
Size	B6
Contact numbering	1 - 6
Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm (13 mm if ferrules are used)
Assembly instructions	1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm²... 2.5 mm² with / without insulating collar, length: 10 mm. 2) SZF0-0.4x2.5 screwdriver (similar to DIN 5264).
Connection	For housing type B6. Connectors may only be operated when there is no load/the power is switched off. Coding also using the CP-HC coding profile (1686478). HC-B6.../HC-B10.. for 2 coding profiles. HC-B16.../HC-

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	B24.. for 4 coding profiles. Mounting/removal of 0.5 - 0.75 mm ² wires using a screwdriver.
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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
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Standards and Regulations

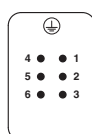
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

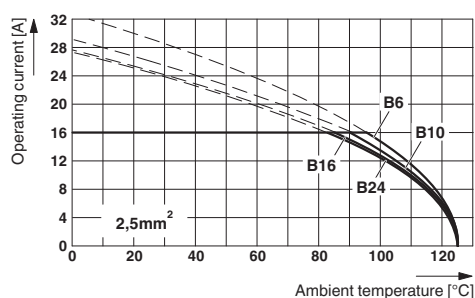
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram



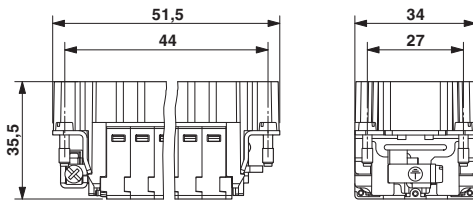
Diagram



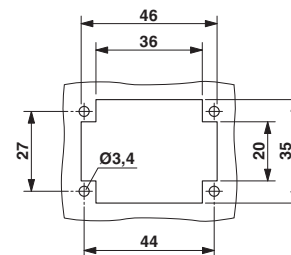
Derating diagram: HC-B...DT series, 2.5 mm² conductor cross section

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Dimensional drawing

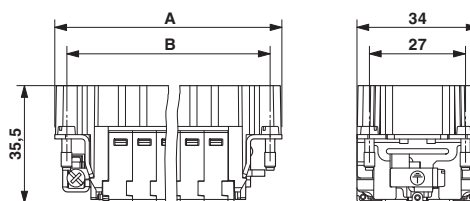


Dimensional drawing



Dimensional drawing

Dimensional drawing



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