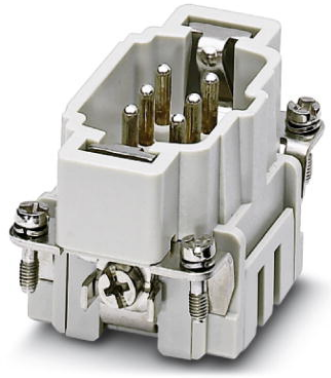
Extract from the online catalog

HC-B 6-ESTZ

Order No.: 1687859



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1687859

HEAVYCON male housing, B6 series, 6-pos., spring-cage connection

Commercial data	
GTIN (EAN)	4 017918 849580
sales group	D000
Pack	1 pcs.
Customs tariff	85369010
Catalog page information	Page 432 (PC-2009)

Product notes

WEEE/RoHS-compliant since: 10/31/2006

http://www.download.phoenixcontact.com
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General data

Note	For housing HC-B6
Connection method	Spring-cage connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Pollution degree	3
Surge voltage category	III

Number of positions	6
Insertion/withdrawal cycles	≥ 500
Design	B6
Conductor cross-section	0.14 mm² ... 2.5 mm²
Connection cross-section AWG	26 ... 14
Stripping length of the individual wire	8 mm +-1 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Material data

Inflammability class acc. to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Electrical characteristics

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

Certificates / Approvals

Certification CUL, GOST, UL

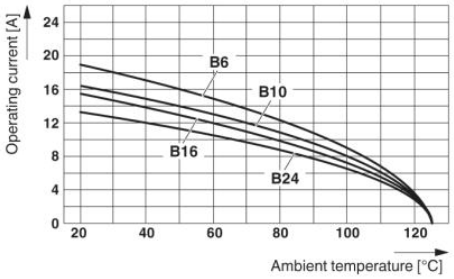
Accessories

Item	Designation	Description
General		
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

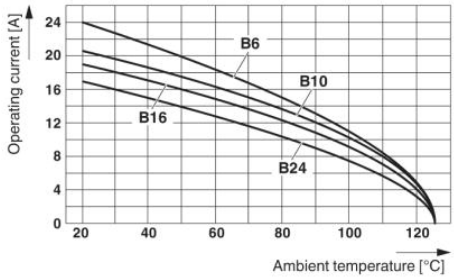
1685327	HC-B-ZG	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit
1685330	HC-B-ZS	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
1772722	HC-CB	Coding pin, prevents mismating of up to six plug connectors 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

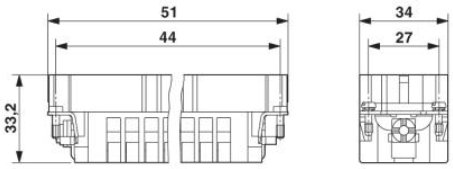


The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 1.5 mm^2

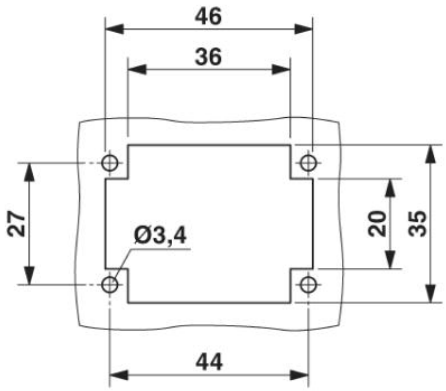


The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm^2

Dimensioned drawing



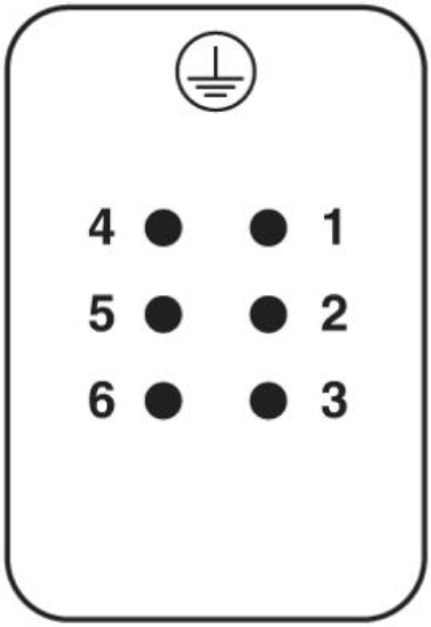
Male insert



Panel cutout

Schematic diagram

Connector pin assignment, connection side



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