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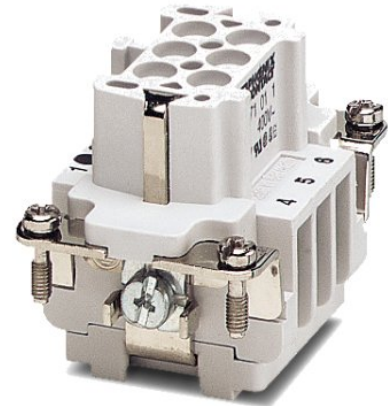
sales@integrated-circuit.com



Extract from the online catalog

HC-B 6-EBUS

Order No.: 1771011



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1771011>

HEAVYCON female insert, B6 series, 6-pos., screw connection

Commercial data

EAN	4017918035754
Pack	10 pcs.
Customs tariff	85366990
Weight/Piece	0.06221 KG
Catalog page information	Page 344 (PC-2007)

Product notes

WEEE/RoHS-compliant since:
12/01/2005



<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	Screw connection
Tightening torque	0.5 Nm
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

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Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Number of positions	6
Insertion/withdrawal cycles	≥ 500
Design	B6
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	7 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	PA

Electrical characteristics

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

Certificates / Approvals


Certification

CSA, GOST, UL

CSA

Nominal voltage U _N	600 V
Nominal current I _N	16 A
AWG/kcmil	20-14

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UL

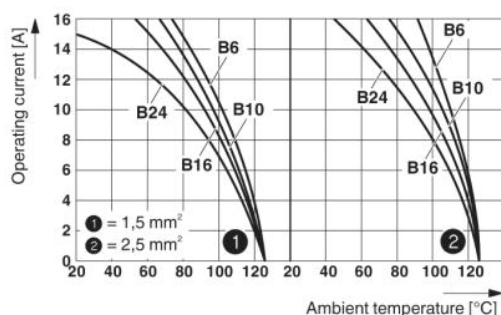
Nominal voltage U_N	600 V
Nominal current I_N	15 A
AWG/kcmil	18-12

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
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

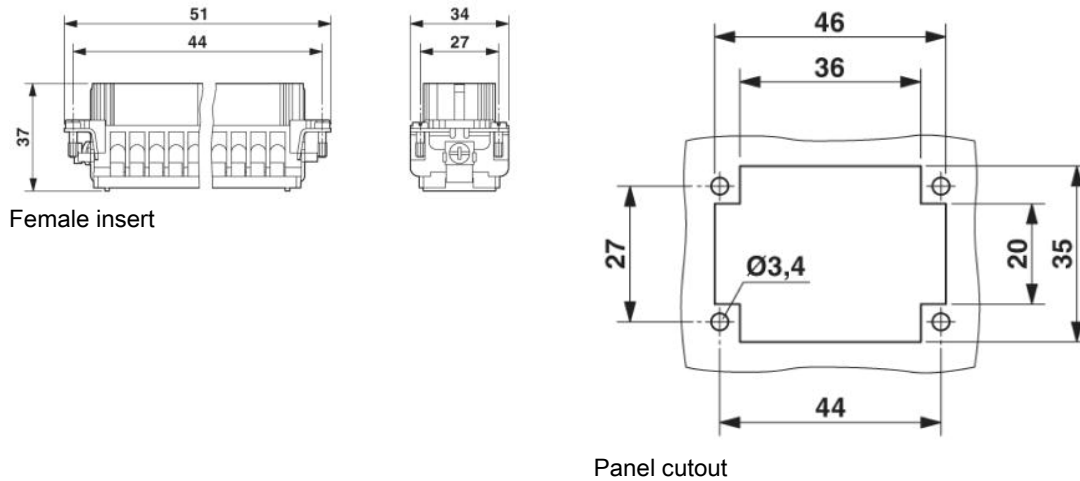


Derating diagram: Series HC-B...S / HC-B...C

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Dimensioned drawing

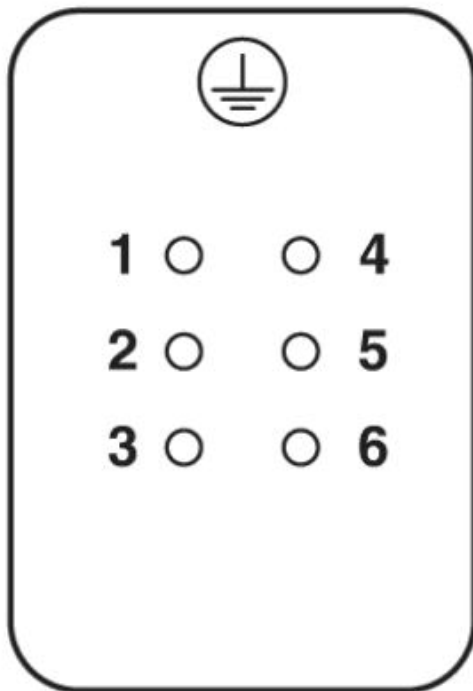


Female insert

Panel cutout

Schematic diagram

Connector pin assignment, connection side



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