



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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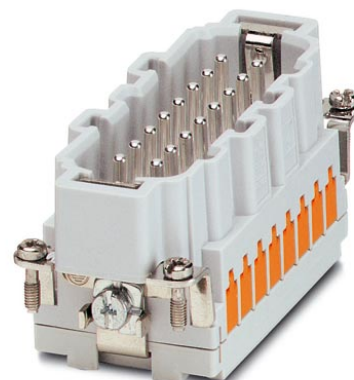
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HC-B 16-ESTQ-2,5

Order No.: 1605637



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1605637>

HEAVYCON male insert, B16 series, 16-pos., QUICKON connection

Commercial data	
GTIN (EAN)	 4 017918 940720
sales group	D000
Pack	10 pcs.
Customs tariff	85369010
Catalog page information	Page 431 (PC-2009)

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 HEAVYCON ADVANCE and HEAVYCON housing of B16 type. Coding using the CP-HC (1686478) keying profile. HC-B6.../ HC-B10... for two keying profiles. HC-B16.../ HC-B24... for 4 keying profiles. Connectors may be operated only when there is no load/voltage.
Connection method	QUICKON connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

Ambient temperature (assembly)	-25 °C ... 50 °C
Pollution degree	3
Surge voltage category	III
Number of positions	16
Insertion/withdrawal cycles	≥ 500
Design	B16
Conductor cross-section	0.34 mm ² ... 2.5 mm ²
Connection cross-section AWG	22 ... 14
Wire diameter including insulation	1 mm ... 3.5 mm
Frequency of connections between conductors of the same cross section	10
Assembly instructions	If the conductor is to be reconnected, it must be cut off above the last contact point.
Connection	For housings of type B16/B32. Connectors may only be actuated 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
Material wire insulation	PVC / PE

Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	16 A

Certificates / Approvals



Certification

CSA, CUL, UL

Accessories

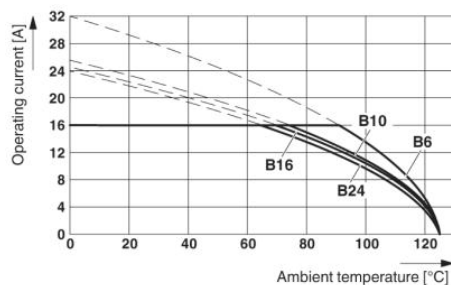
Item	Designation	Description
General		
1586138	HC-B 16-ANDOCK	Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm
1660449	HC-B 24-ADP-B 16-GY	HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray
1644326	HC-B-3PE	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
1660973	HC-SMP 125-B16-AMQ	HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16
1687972	HC-SMR-B16	HEAVYCON connector assembly frame, for contact inserts of type B16

Plug/Adapter

1686478	CP-HC	Keying profile, 4-section, for pushing into the keying grooves
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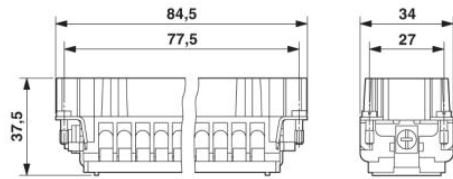
Diagrams/Drawings

Diagram

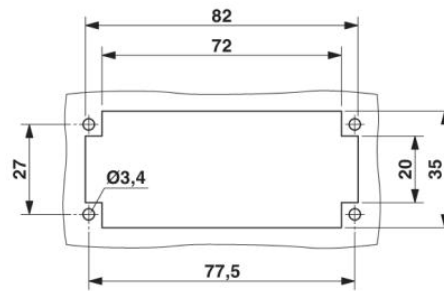


The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm²

Dimensioned drawing



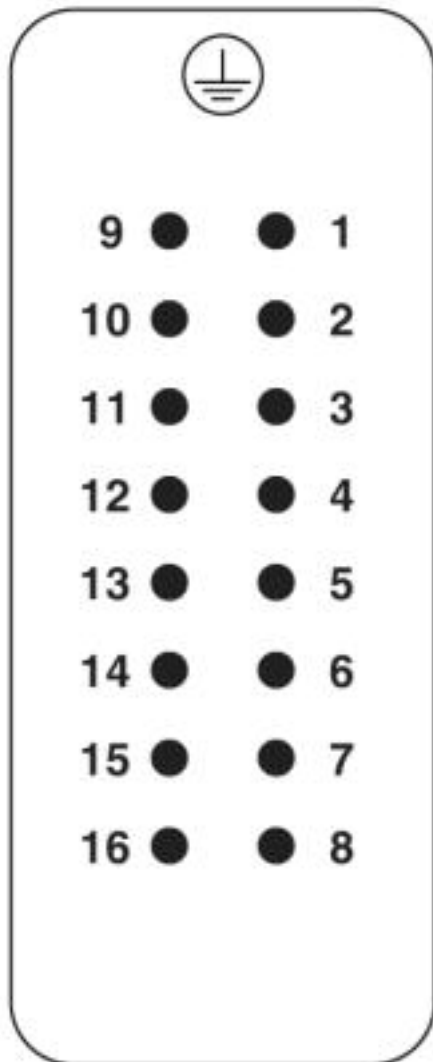
Male insert



Panel cutout

Schematic diagram

Connector pin assignment, connection side



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