



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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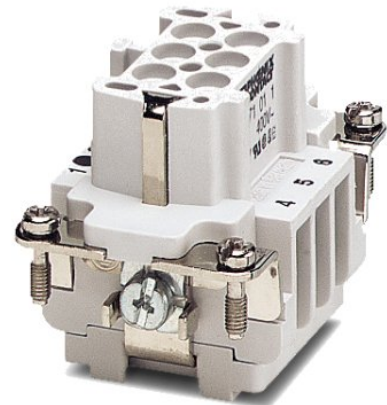
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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 notesWEEE/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) |

| | |
|---|--|
| 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 |

UL

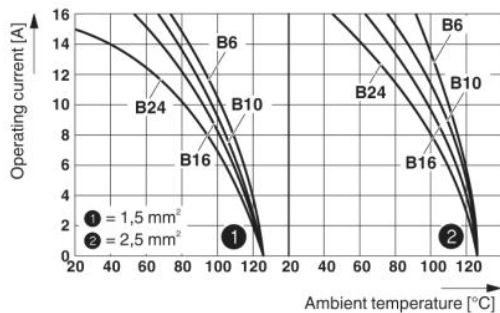
| | |
|-----------------------|-------|
| Nominal voltage U_N | 600 V |
| Nominal current I_N | 15 A |
| AWG/kcmil | 18-12 |

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 |

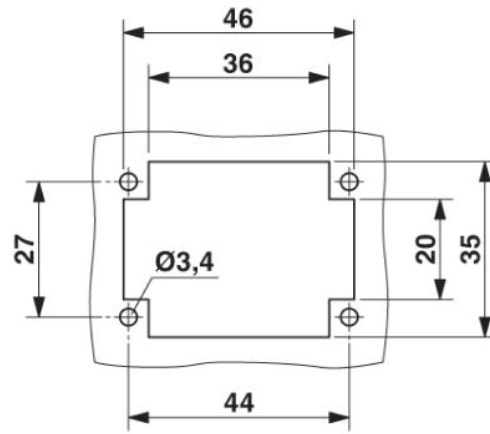
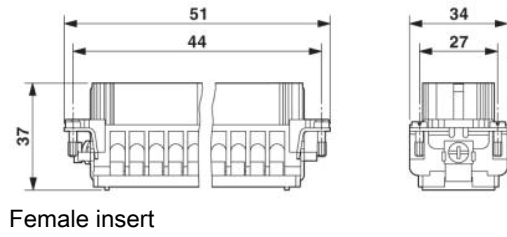
Diagrams/Drawings

Diagram



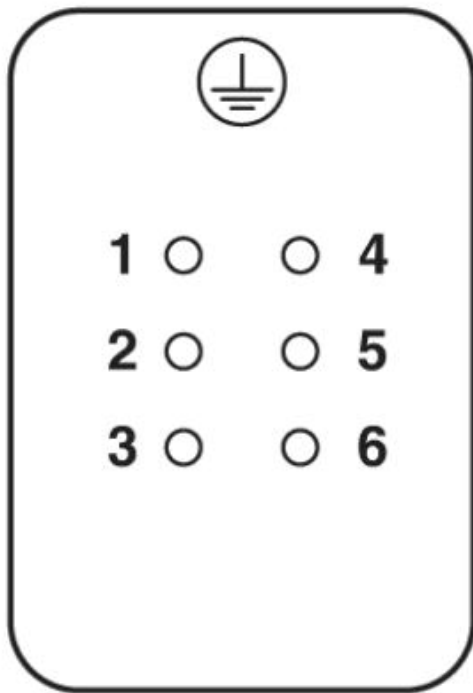
Derating diagram: Series HC-B...S / HC-B...C

Dimensioned drawing



Schematic diagram

Connector pin assignment, connection side



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