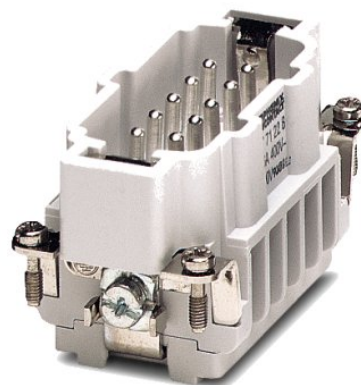


# HC-B 10-ESTC

Order No.: 1771231



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1771231>

HEAVYCON male insert, B10 series, 10-pos., crimp connection

## Commercial data

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 035976 |
| sales group              | D000                                                                                                  |
| Pack                     | 10 pcs.                                                                                               |
| Customs tariff           | 85366990                                                                                              |
| Catalog page information | Page 347 (PC-2007)                                                                                    |

## Product notes

WEEE/RoHS-compliant since:  
03/09/2006



[http://  
www.download.phoenixcontact.com](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 HC-B10 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply) |
| Connection method               | Crimp connection                                                                              |
| 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                     | 10                                                             |
| Insertion/withdrawal cycles             | ≥ 500                                                          |
| Design                                  | B10                                                            |
| Connection in acc. with standard        | IEC / EN                                                       |
| Conductor cross-section                 | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>                      |
| Connection cross-section AWG            | 20 ... 12                                                      |
| Stripping length of the individual wire | 7.5 mm                                                         |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage. |
| Connection                              | For housings of type B10.                                      |

#### Material data

|                                    |                       |
|------------------------------------|-----------------------|
| Inflammability class acc. to UL 94 | V0                    |
| Contact material                   | Copper alloy          |
| Contact surface material           | Ag (alternatively Au) |
| Contact carrier material           | PA                    |

#### Electrical characteristics

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

#### Certificates / Approvals



Certification

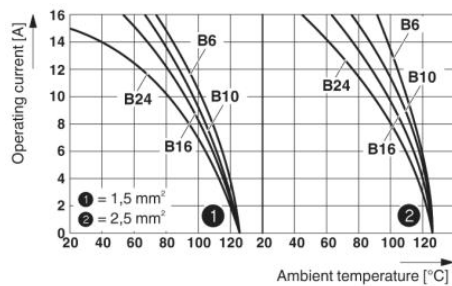
CSA, GOST, UL

## Accessories

| Item           | Designation | Description                                                                                                               |
|----------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |             |                                                                                                                           |
| 1584693        | CK2,5-ED-BB | Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts                                                  |
| 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                                                                            |
| 1687969        | HC-SMR-B10  | HEAVYCON connector assembly frame, for contact inserts of type B10                                                        |

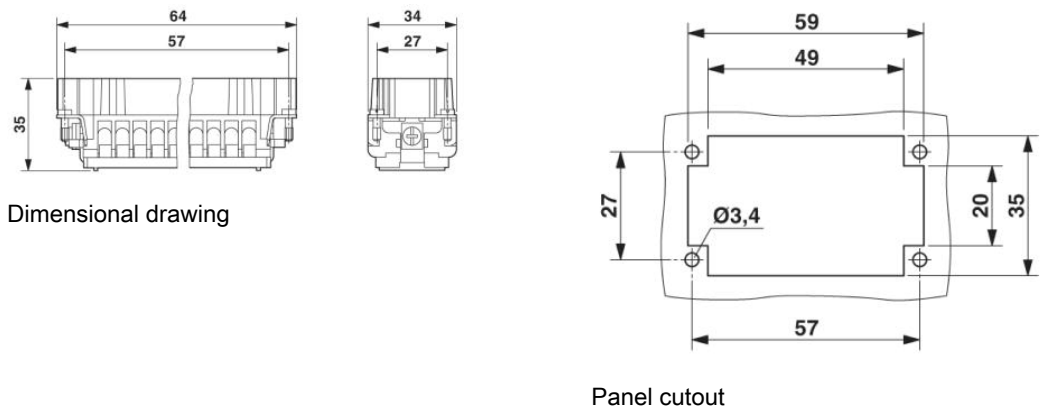
## Diagrams/Drawings

### Diagram

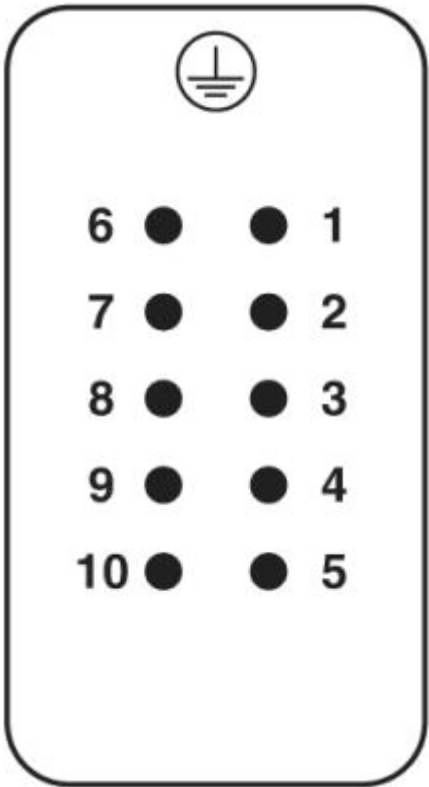


Derating diagram

Dimensioned drawing



Schematic diagram



Connector pin assignment, connection side

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