

# Contact insert - HC-BB10-I-CT-M - 1584774

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HEAVYCON pin insert, series: BB10, 10-pos., crimp connection, with plastic coding profile, can be coded

## Why buy this product

- ✔ For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)



## Key Commercial Data

|                                      |                 |
|--------------------------------------|-----------------|
| Packing unit                         | 1 STK           |
| GTIN                                 |                 |
| GTIN                                 | 4046356149211   |
| Weight per Piece (excluding packing) | 40.000 g        |
| Weight per piece (including packing) | 41.100 g        |
| Custom tariff number                 | 85366990        |
| Country of origin                    | China           |
| Sales Key                            | D1 - Connectors |

## Technical data

### General

|                                  |  |
|----------------------------------|--|
| Note                             | For HC-B6 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply) |
| Connection method                | Crimp connection   |
| Degree of pollution              | 3  |
| Overvoltage category             | III  |
| Number of positions              | 10+PE  |
| Insertion/withdrawal cycles      | ≥ 500  |
| Size                             | B6   |
| Connection in acc. with standard | IEC / EN   |
| Conductor cross section          | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |

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## Technical data

### General

|   |  |
|---|--|
| Connection cross section AWG            | 20 ... 12  |
| Stripping length of the individual wire | 7.5 mm   |
| Assembly instructions                   | - Housing heights of $h \geq 72$ mm are recommended when there is a high number of wires.  |
| Connection                              | Connectors may only be inserted when there is no load/the power is switched off. Contact release by means of CK2,5-EWZ (Order No. 1662722) |

### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|--|

### Material data

|  |   |
|--|---|
| Flammability rating according to UL 94 | V0  |
| Contact material                       | Copper alloy  |
| Contact surface material               | Ag (alternatively Au)   |
| Contact carrier material               | PC  |
| Standards/regulations                  | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

### Electrical characteristics

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

### Standards and Regulations

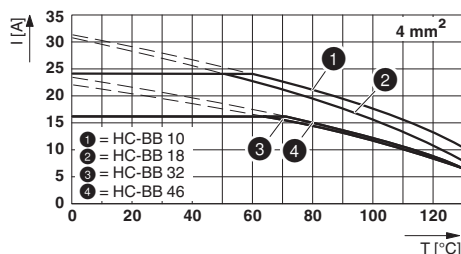
|  |          |
|--|----------|
| Connection in acc. with standard       | IEC / EN |
| Flammability rating according to UL 94 | V0       |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

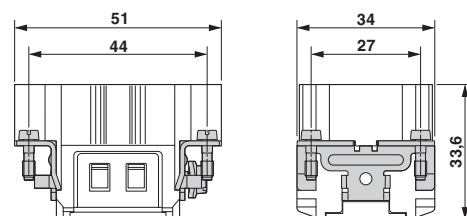
## Drawings

Diagram



Derating diagram (conductor cross section: 4.0 mm<sup>2</sup>)

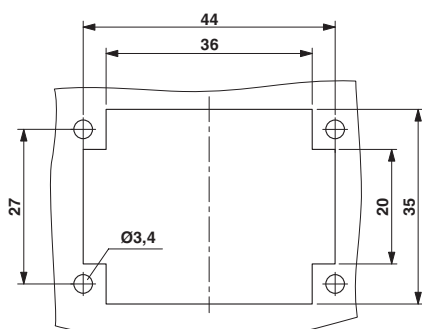
Dimensional drawing



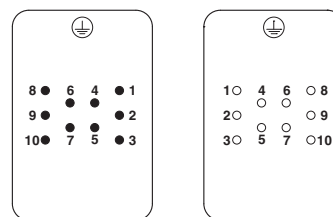
Male insert

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Dimensional drawing



Schematic diagram



Connector pin assignment: Left pin - right socket

Mounting cutout when used without housing

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |

## Approvals

Approvals

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UL Recognized / EAC / CSA / GL


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## Approvals

Ex Approvals

### Approval details

|                                |   |   |               |
|--------------------------------|---|---|---------------|
| UL Recognized                  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
|                                |   |   |               |
| mm <sup>2</sup> /AWG/kcmil     | 12  |   |               |
| Nominal current I <sub>N</sub> | 20 A  |   |               |
| Nominal voltage U <sub>N</sub> | 600 V   |   |               |

|     |   |                     |  |
|-----|---|---------------------|--|
| EAC |  | 7500651.22.01.00246 |  |
|-----|---|---------------------|--|

|                                |   |   |              |
|--------------------------------|---|---|--------------|
| CSA                            |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 013631_0_000 |
|                                |   |   |              |
| mm <sup>2</sup> /AWG/kcmil     | 12  |   |              |
| Nominal current I <sub>N</sub> | 18 A  |   |              |
| Nominal voltage U <sub>N</sub> | 600 V   |   |              |

|    |   |   |         |
|----|---|---|---------|
| GL |  | <a href="http://www.gl-group.com/newbuilding/approvals/index.html">http://www.gl-group.com/newbuilding/approvals/index.html</a> | 6196614 |
|----|---|---|---------|