

## Contact insert - HC-BB46-I-CT-M 47-92 - 1406546

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HEAVYCON plug insert, series: BB46, pos. marking: 47 ... 92, 46-pos., crimp connection, with plastic coding profile, can be coded

### Product Features

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

### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85366990 |
| Country of origin    | China    |

### Technical data

#### General

|   |  |
|---|--|
| Connection method                       | Crimp connection   |
| Pollution degree                        | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 46+PE  |
| Insertion/withdrawal cycles             | ≥ 500  |
| Type                                    | B24  |
| 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                   | - 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) |
|---------------------------------|--|

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## Technical data

### 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  |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 8.0 | 27440205 |

### ETIM

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / EAC / CSA

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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## Approvals

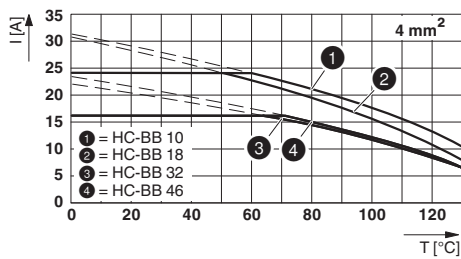
|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 12    |
| Nominal current I <sub>N</sub> | 16 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|     |
|-----|
| EAC |
|-----|

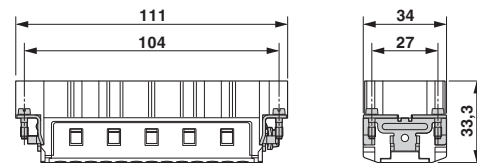
|                                |        |
|--------------------------------|--------|
| CSA                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 12     |
| Nominal current I <sub>N</sub> | 13.5 A |
| Nominal voltage U <sub>N</sub> | 600 V  |

## Drawings

Diagram



Dimensional drawing

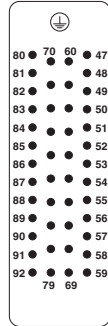


Male insert

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

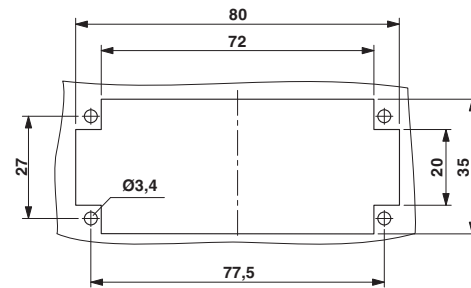
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Schematic diagram



Connector pin assignment, connection side

Dimensional drawing



Mounting cutout when used without housing