

## Contact insert - HC-BBB 40-EBUC - 1409930

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HEAVYCON socket insert, BBB 40 series, 40-pos., crimp connection

### Product Features



### Key commercial data

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

### Technical data

#### General

|                                         |                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------|
| Connection method                       | Crimp connection                                                                          |
| Pollution degree                        | 3                                                                                         |
| Surge voltage category                  | III                                                                                       |
| Number of positions                     | 40+PE                                                                                     |
| Insertion/withdrawal cycles             | ≥ 500                                                                                     |
| Type                                    | B16                                                                                       |
| Conductor cross section                 | 0.5 mm² ... 4 mm²                                                                         |
| 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 be plugged in only when there is no load/voltage.                          |

#### Ambient conditions

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

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### Technical data

#### Material data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Inflammability class according to UL 94 | V0                    |
| Contact material                        | Copper alloy          |
| Contact surface material                | Ag (alternatively Au) |
| Contact carrier material                | PC                    |

#### Electrical characteristics

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

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| 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 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000796 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | 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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## Contact insert - HC-BBB 40-EBUC - 1409930

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

|                                                                                                 |       |
|-------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
|                                                                                                 |       |
| mm²/AWG/kcmil                                                                                   | 12    |
| Nominal voltage UN                                                                              | 500 V |

|                                                                                                    |       |
|----------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
|                                                                                                    |       |
| mm²/AWG/kcmil                                                                                      | 12    |
| Nominal voltage UN                                                                                 | 500 V |

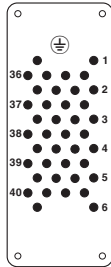
|     |
|-----|
| EAC |
|-----|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

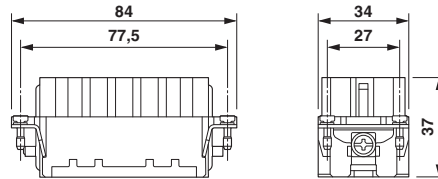
### Drawings

## Contact insert - HC-BBB 40-EBUC - 1409930

Schematic diagram



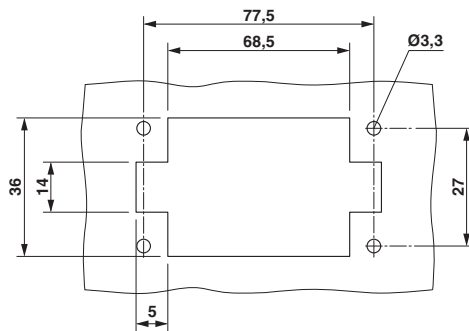
Dimensional drawing



Dimensional drawing

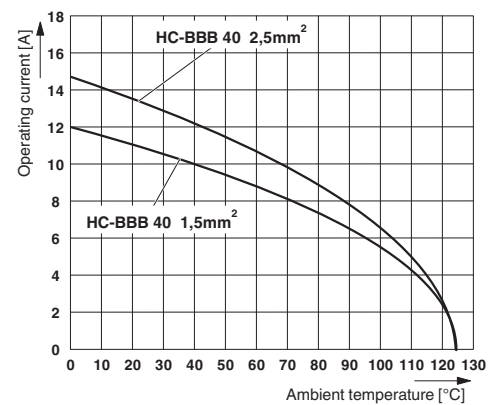
Connector pin assignment, connection side

Dimensional drawing



Panel cutout

Diagram



Derating diagram