

## Contact insert - HC-BBB 64-ESTC - 1409901

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HEAVYCON pin insert, BBB 64 series, 64-pos., crimp connection



### Key Commercial Data

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

### Technical data

#### General

|   |  |
|---|--|
| Connection method                       | Crimp connection   |
| Degree of pollution                     | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 64+PE  |
| Insertion/withdrawal cycles             | ≥ 500  |
| Size                                    | 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 ≥ 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) |
|---------------------------------|--|

#### Material data

# Contact insert - HC-BBB 64-ESTC - 1409901

## 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                    |

### 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 |
|  | UL       |
| Flammability rating according to UL 94 | V0       |

## 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 |
| eCl@ss 9.0 | 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 |

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## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / GL / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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### Approval details

|  |       |
|--|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil   | 12    |
| Nominal voltage UN   | 500 V |

|  |       |
|--|-------|
| cUL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil   | 12    |
| Nominal voltage UN   | 500 V |

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

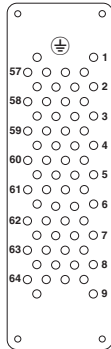
|    |
|----|
| GL |
|----|

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

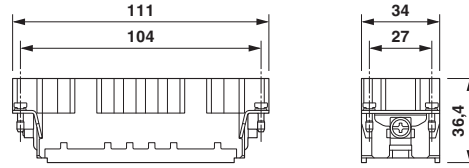
## Drawings

# Contact insert - HC-BBB 64-ESTC - 1409901

Schematic diagram



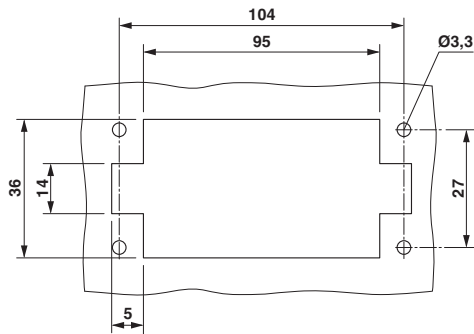
Dimensional drawing



Dimensional drawing

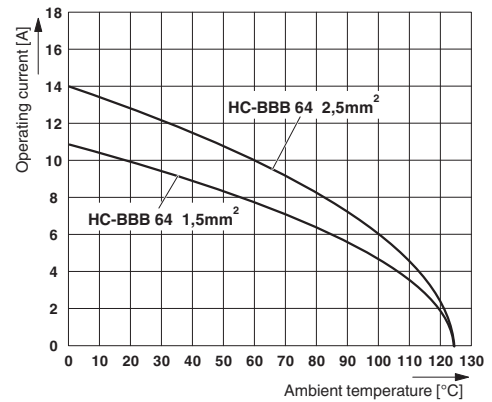
Connector pin assignment, connection side

Dimensional drawing



Panel cutout

Diagram



Derating diagram