

## Contact insert - HC-B 10-I-DT-F - 1648209


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HEAVYCON female insert, B10 series, 10-pos., push-in connection

RoHS

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 10 pc   |
| GTIN         | <br>4 046356 092333 |
| GTIN         | 4046356092333   |

### Technical data

#### General

|   |   |
|---|---|
| Note                                    | For HEAVYCON ADVANCE and HEAVYCON housing of B10 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage. |
| Connection method                       | Push-in connection  |
| Degree of pollution                     | 3   |
| Overvoltage category                    | III   |
| Number of positions                     | 10+PE   |
| Insertion/withdrawal cycles             | ≥ 500   |
| Size                                    | B10   |
| Contact numbering                       | 1 - 10  |
| Conductor cross section                 | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>   |
| Connection cross section AWG            | 20 ... 14   |
| Stripping length of the individual wire | 10 mm (13 mm if ferrules are used)  |
| Assembly instructions                   | 1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> with / without insulating collar, length: 10 mm.<br>2) SZF0-0.4x2.5 screwdriver (similar to DIN 5264).  |
| Connection                              | For housing type B10. Connectors may only be operated when there is no load/the power is switched off. Coding also using the CP-HC coding profile (1686478). HC-B6.../HC-B10.. for 2 coding profiles. HC-B16.../HC-   |

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## Technical data

### General

|  |  |
|--|--|
|  | B24.. for 4 coding profiles. Mounting/removal of 0.5 - 0.75 mm <sup>2</sup> wires using a screwdriver. |
|--|--|

### Ambient conditions

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

### Material data

|                          |              |
|--------------------------|--------------|
| Contact material         | Copper alloy |
| Contact surface material | Ag           |
| Contact carrier material | PA           |

### Electrical characteristics

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

### Standards and Regulations

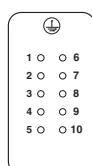
|  |              |
|--|--------------|
| Connection in acc. with standard       | CSA          |
| Constructional and testing regulations | DIN EN 61984 |
|  | DIN EN 60664 |
|  | IEC 60352    |
| Flammability rating according to UL 94 | V0           |

### Environmental Product Compliance

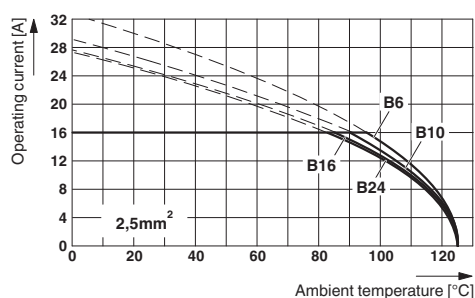
|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

### Schematic diagram



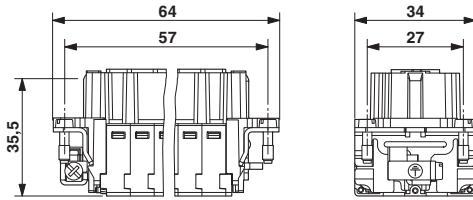
### Diagram



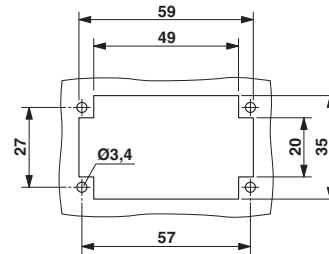
Derating diagram: HC-B...DT series

## Contact insert - HC-B 10-I-DT-F - 1648209

Dimensional drawing



Dimensional drawing



Female insert

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