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# Contact insert - HC-B10-I-PT-F - 1407729

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HEAVYCON socket insert, B10 series, 10 + PE-pos., push-in connection

## Why buy this product

- For fast coding with plastic profile
- Conductor connection without tools
- Significant time savings during conductor connection
- Test connection for 2 mm test plug

## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 STK         |
| GTIN         |               |
| GTIN         | 4046356777544 |

## Technical data

### General

|                                    |  |
|------------------------------------|--|
| Connection method                  | Push-in connection   |
| Number of connections per position | 1  |
| 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            | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (with ferrule)  |
| Connection cross section AWG       | 26 ... 14 (with ferrule)   |
| Stripping length                   | 8 mm ... 10 mm   |
| Assembly instructions              | Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles. |

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## Technical data

### General

|            |   |
|------------|---|
| Connection | Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule. |
|------------|---|

### Ambient conditions

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

### Material data

|                          |   |
|--------------------------|---|
| Contact material         | Copper alloy  |
| Contact surface material | Ag/Sn (tarnish protection)  |
| Contact carrier material | PC  |
| Standards/regulations    | PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) |
|                          | PC: Fire protection in rail vehicles - requirement set 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 (power contacts) |

### Standards and Regulations

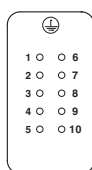
|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

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

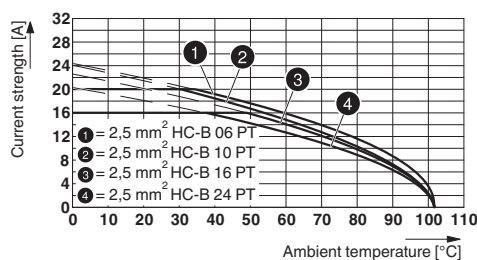
## Drawings

Schematic diagram



Connector pin assignment, connection side

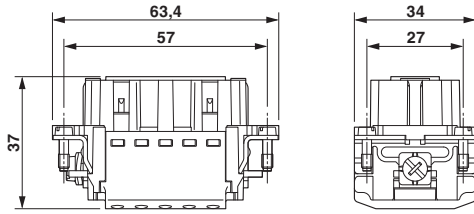
Diagram



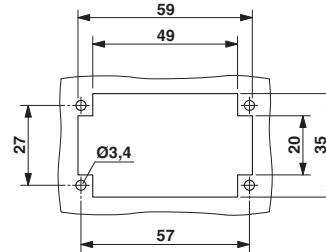
Derating diagram for 2.5 mm<sup>2</sup>

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Dimensional drawing



Dimensional drawing



Dimensional drawing

Mounting cutout when used without housing

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / GL / EAC

#### Ex Approvals

### Approval details

|                            |  |   |       |
|----------------------------|--|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
| Nominal voltage UN         |  | 600 V   |       |
| Nominal current IN         |  | 10 A  |       |
| mm <sup>2</sup> /AWG/kcmil |  | 14  |       |

|                            |  |   |               |
|----------------------------|--|---|---------------|
| 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 |
| Nominal voltage UN         |  | 600 V   |               |
| Nominal current IN         |  | 13 A  |               |
| mm <sup>2</sup> /AWG/kcmil |  | 14  |               |

|    |  |   |            |
|----|--|---|------------|
| GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | 6196614 HH |
|----|--|---|------------|

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### Approvals

EAC



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