

## Contact insert - HC-B 10-I-UT-F - 1648186

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HEAVYCON female insert, B10 series, 10-pos., screw connection

### Your advantages

- For fast coding with plastic profile
- For test pin 2 mm



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 092319 |
| GTIN                                 | 4046356092319   |
| Weight per Piece (excluding packing) | 65.500 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | China   |

### Technical data

#### General

|                                    |   |
|------------------------------------|---|
| Note                               | For HEAVYCON ADVANCE and HEAVYCON housing of B10 type. Plug-in connections may only be operated only when there is no load/voltage.<br>Connectors may be operated only when there is no load/voltage. |
| Connection method                  | Screw connection  |
| Tightening torque                  | 0.5 Nm ... 0.8 Nm   |
| Screwdriver blade                  | 0.5 x 3.5 mm  |
| Number of connections per position | 1   |
| Degree of pollution                | 3   |
| Overvoltage category               | III   |
| Number of positions                | 10+PE   |
| Insertion/withdrawal cycles        | ≥ 500   |

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### Technical data

#### General

|   |  |
|---|--|
| Size                                    | B10  |
| Contact numbering                       | 1 - 10   |
| Conductor cross section                 | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (applies to stranded conductors with ferrules) |
| Connection cross section AWG            | 20 ... 14  |
| Stripping length of the individual wire | 8 mm   |
| Assembly instructions                   | To ensure correct use, installation in housing with IP54 protection or better is required  |
| Connection                              | For housings of type B10. Connectors may only be actuated when there is no load/voltage.   |

#### 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 | PC           |

#### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 500 V |
| Rated surge voltage   | 6 kV  |
| Rated current         | 24 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           |

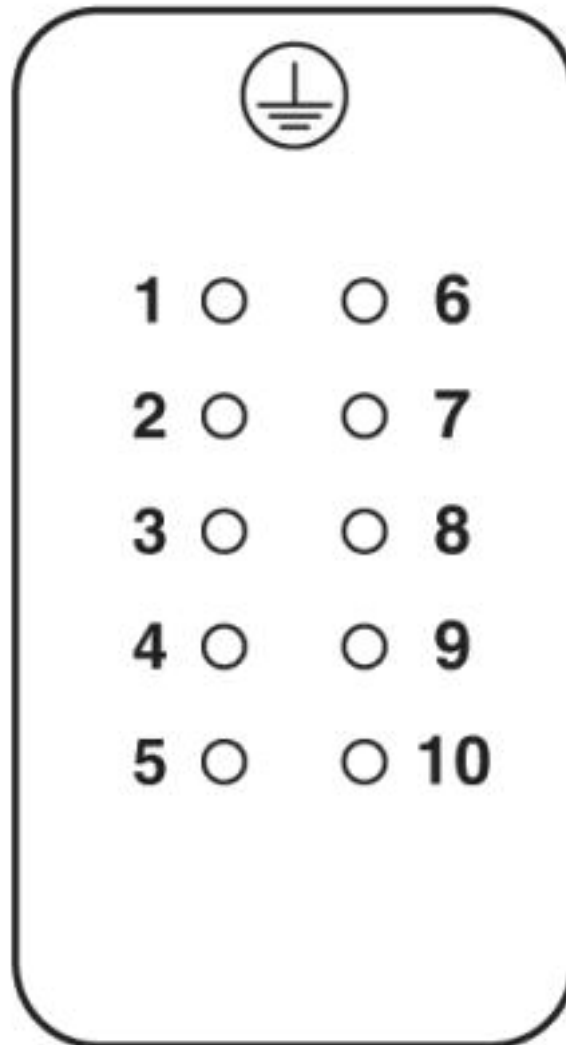
#### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

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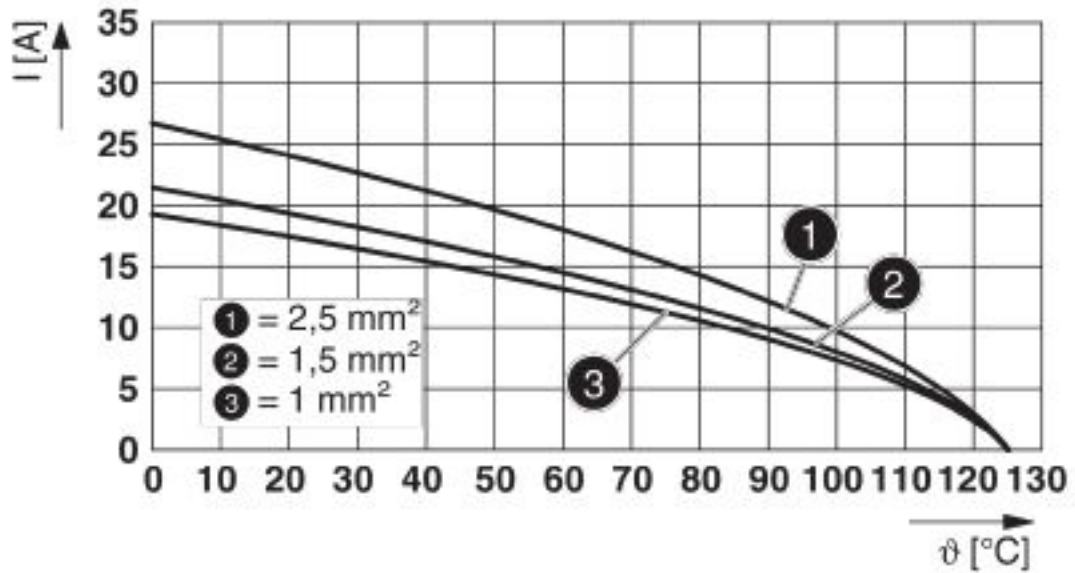
Schematic diagram



Connector pin assignment, connection side

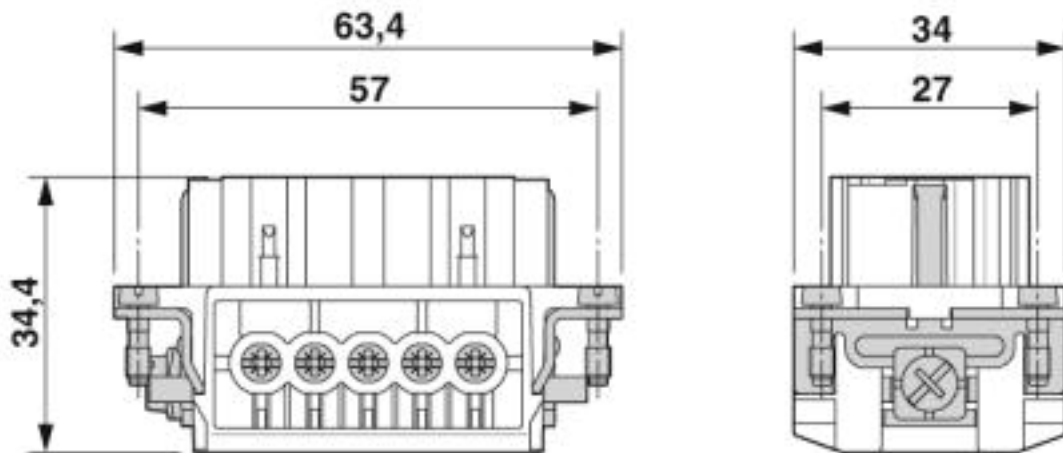
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Diagram



Derating diagram

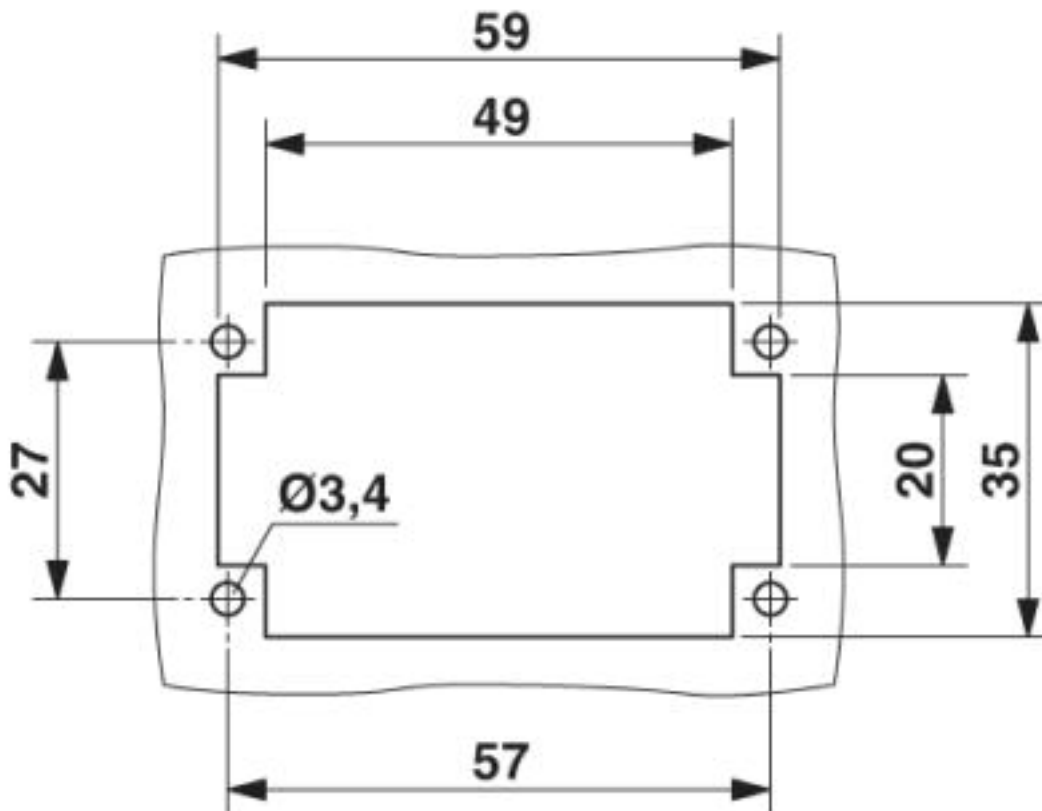
Dimensional drawing



Female insert

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Dimensional drawing



Mounting cutout when used without housing

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |
| ETIM 7.0 | EC000438 |



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## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |

## Approvals


### Approvals


#### Approvals


CSA / UL Recognized / EAC / DNV GL

#### Ex Approvals

### Approval details

|                            |   |   |                |
|----------------------------|---|---|----------------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 013631_6233_01 |
| Nominal voltage UN         |   | 600 V   |                |
| Nominal current IN         |   | 13 A  |                |
| mm <sup>2</sup> /AWG/kcmil |   | 22-14   |                |

|                            |   |   |               |
|----------------------------|---|---|---------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
| Nominal voltage UN         |   | 600 V   |               |
| Nominal current IN         |   | 16 A  |               |
| mm <sup>2</sup> /AWG/kcmil |   | 14  |               |

|     |   |  |                          |
|-----|---|--|--------------------------|
| EAC |  |  | RU C-<br>DE.AI30.B.01102 |
|-----|---|--|--------------------------|

|        |   |   |            |
|--------|---|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE000037S |
|--------|---|---|------------|

<https://www.phoenixcontact.com/gb/products/1648186>



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