

#### 1637171

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HEAVYCON contact insert module, socket, 1-pos., for axial screw connection, 200 A, 25  $\rm{mm}^2$  ... 40  $\rm{mm}^2$ 

#### Commercial data

| Item number                          | 1637171                        |
|--------------------------------------|--------------------------------|
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF62                           |
| Product key                          | BF7ACB                         |
| Catalog page                         | Page 551 (C-4-2015)            |
| GTIN                                 | 4046356095389                  |
| Weight per piece (including packing) | 69.2 g                         |
| Weight per piece (excluding packing) | 69.2 g                         |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |
|                                      |                                |

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### Technical data

| General               | Required for housing HC-B6 to B48, (housing height min. 72 mm), housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR, axial connection for 5 mm Allen wrench  |
|-----------------------|--|
|                       |  |
| Mounting              |  |
| Assembly instructions | <ul> <li>Use only flexible conductors,</li> <li>Connection of wires with 5 mm an Allen wrench,</li> <li>Housing height h ≥ 72 mm,</li> <li>Connectors may only be operated without load/voltage.</li> </ul>  |
|                       | Note regarding axial connection  |
|                       | <ul> <li>technology:</li> <li>Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used.</li> <li>Use of cables with a geometric cross section very different from the cable's nominal cross section should be checked before use. The wiring space of the axial screw method is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) should be checked before use.</li> <li>Connection</li> <li>Before starting to connect, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted. The wires should be inserted as far as they will go in the contact chamber (until the insulation touches the contact). Hold wires in position and use socket wrench to tighten. The used wire end should be cut off before connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable should be mechanically intercepted at an appropriate distance from the connection point (e.g., by using a plate cutout). DIN VDE 0100-520:2003-06 contains information on how to do this correctly. The module cannot be used simultaneously with the HC-BTMB-SD-IP65 and HC-BTMS-SD-IP65 protective covers.</li> </ul> |
| Hexagonal socket      | SW 5   |

#### Product properties

| Product type               | Modular contact insert |
|----------------------------|------------------------|
| Number of positions        | 1                      |
| Connection profile         | 1                      |
| Application                | Power                  |
| Number of module slots     | 2                      |
| Series                     | HC-M-HS                |
| Insulation characteristics |                        |
| Overvoltage category       | III                    |
| Degree of pollution        | 3                      |

Connection data



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| Connection technology                   | Axial screw connection   |
|---|--|
| Conductor connection                    |  |
| Conductor cross section                 | 25 mm <sup>2</sup> 40 mm <sup>2</sup> (The cross section specification refers to th geometric cross section of the cable used) |
| Connection cross section AWG            | 32   |
| Tightening torque                       | 8 Nm (25 mm <sup>2</sup> 35 mm <sup>2</sup> )  |
|   | 9 Nm (40 mm²)  |
| Stripping length of the individual wire | 16 mm  |
| mensions                                |  |
| Dimensional drawing                     |  |
| Width                                   | 34.2 mm  |
| Height                                  | 60 mm  |
| Length                                  | 29.4 mm  |
| Mechanical characteristics              |  |
| Minimum housing height                  | 72 mm  |
|   |  |
| ectrical properties                     |  |
| Rated voltage (III/3)                   | 1000 V   |
| Rated surge voltage                     | 8 kV   |
| Rated current                           | 200 A  |
| echanical properties                    |  |
| Mechanical data                         |  |
| Insertion/withdrawal cycles             | ≥ 500  |
| aterial specifications                  |  |
| Flammability rating according to UL 94  | VO   |
| Contact material                        | Copper alloy   |
| Contact surface material                | Ag   |
| Contact carrier material                | PC   |

### Ambient temperature (operation) -40 °C ... 125 °C



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### Drawings



Axial connection

Schematic diagram

Schematic diagram









Female insert



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Two modules in B24 housing



Derating diagram (3 modules in HC-B 24 housing)

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### Environmental product compliance

China RoHS

Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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