

## Contact insert - HC-D 7-EBUC-R - 1679508

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HEAVYCON socket insert, D7 series, 7-pos., crimp connection, rolled contacts, with IP65 sealing screw



### Key commercial data

|                                      |                |
|--------------------------------------|----------------|
| Packing unit                         | 1 pc           |
| Weight per Piece (excluding packing) | 16.83 GRM      |
| Custom tariff number                 | 85366990       |
| Country of origin                    | Czech Republic |

### Technical data

#### General

|  |  |
|--|--|
| Note                                   | For HEAVYCON housing of type D7, crimp contacts CK1,6-ER / CK1,6-BR (crimp contacts not included in the scope of supply) |
| Connection method                      | Crimp connection   |
| Pollution degree                       | 3  |
| Surge voltage category                 | III  |
| Constructional and testing regulations | DIN VDE 0627/86  |
|  | DIN VDE 0110/02.79   |
|  | DIN VDE 0110-1/04.97   |
|  | IEC 60664-1, DIN IEC 60512   |
|  | IEC 60352  |
| Number of positions                    | 7+PE   |
| Insertion/withdrawal cycles            | ≥ 500  |
| Design                                 | D7   |
| Connection in acc. with standard       | IEC / EN   |
| Conductor cross section                | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>   |
| Connection cross section AWG           | 26 ... 16  |

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## Technical data

### General

|   |   |
|---|---|
| Stripping length of the individual wire | 3 mm +0,5 (0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> )   |
|   | 3.5 mm +1,0 (0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> )  |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage.  |
| Connection                              | The inserts may only be used in plastic housings at voltages >42 V, since it is not possible to connect the protective conductor and the housing with each other. |

### Ambient conditions

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

### Material data

|   |                       |
|---|-----------------------|
| Inflammability class according to UL 94 | V0                    |
| Contact material                        | Copper alloy          |
| Contact surface material                | Ag (alternatively Au) |
| Contact carrier material                | PBTP                  |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage   | 4 kV  |
| Rated current         | 10 A  |

## 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 | 27440209 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000438 |
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 30211923 |
|-------------|----------|

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

Approvals

CSA / UL Recognized / GOST

Ex Approvals

Approvals submitted

### Approval details

|                    |       |
|--------------------|-------|
| CSA                |       |
| Nominal current IN | 10 A  |
| Nominal voltage UN | 600 V |

|                    |       |
|--------------------|-------|
| UL Recognized      |       |
| Nominal current IN | 10 A  |
| Nominal voltage UN | 600 V |

|      |  |
|------|--|
| GOST |  |
|------|--|

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## Accessories

### Accessories

#### Crimp contact

Crimp contact - CK1,6-ER-0,50BU AG - 1884128



Rolled 1.6 crimp contact, individual female contact, core diameter 0.5 mm<sup>2</sup>

Crimp contact - CK1,6-ER-1,50BU AG - 1884115



Rolled female contact, single contacts, silver-plated, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

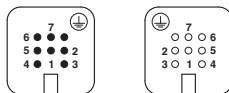
Crimp contact - CK1,6-ER-2,50BU AG - 1884131



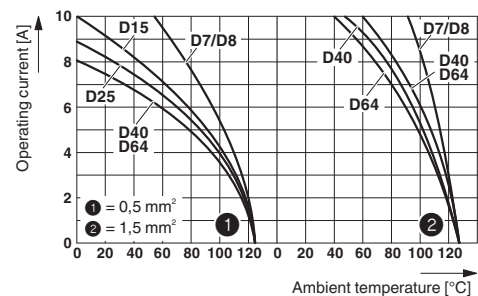
Rolled female contact, single contacts, silver-plated, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Drawings

### Schematic diagram



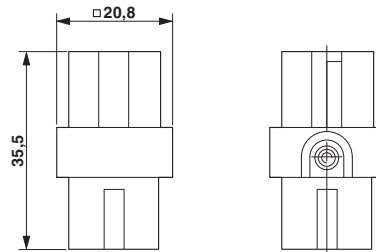
### Diagram



Derating diagram: HC-D...C series

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Dimensioned drawing



Female insert