

## Contact insert - HC-D 7-ESTC-COD - 1408575

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON male insert, D7 series, 7-pos. + PE, crimp connection with coding option



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 10 pc    |
| Weight per Piece (excluding packing) | 14.0 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### General

|  |  |
|--|--|
| Note                                   | For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)              |
| Connection method                      | Crimp connection<br>Screw connection (PE connection)   |
| Degree of pollution                    | 3  |
| Overvoltage category                   | III  |
| Constructional and testing regulations | DIN VDE 0627/86<br>DIN VDE 0110/02.79<br>DIN VDE 0110-1/04.97<br>IEC 60664-1, DIN IEC 60512<br>IEC 60352 |
| Number of positions                    | 7+PE   |
| Insertion/withdrawal cycles            | ≥ 500  |
| Size                                   | D7   |
| Connection in acc. with standard       | IEC / EN   |

# Contact insert - HC-D 7-ESTC-COD - 1408575

## Technical data

### General

|   |  |
|---|--|
| Conductor cross section                 | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                       |
| Connection cross section AWG            | 26 ... 14  |
| Stripping length of the individual wire | 8 mm   |
|   | 6 mm (2.5 mm <sup>2</sup> )  |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage.     |
| Connection                              | Four different coding possibilities to prevent incorrect plugging. |

### Ambient conditions

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

### Material data

|  |                       |
|--|-----------------------|
| Flammability rating according to UL 94 | V0                    |
| Seal material                          | NBR                   |
| Contact material                       | Copper alloy          |
| Contact surface material               | Ag (alternatively Au) |
| Contact carrier material               | PC                    |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 400 V |
| Rated surge voltage   | 6 kV  |
| Rated current         | 10 A  |

### Standards and Regulations

|  |                            |
|--|----------------------------|
| Connection in acc. with standard       | IEC / EN                   |
|  | CUL                        |
| 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                  |
| Flammability rating according to UL 94 | V0                         |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |

# Contact insert - HC-D 7-ESTC-COD - 1408575

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000438 |

### UNSPSC

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

## Approvals

### Approvals


#### Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|   |       |
|---|-------|
| UL Recognized  |       |
| mm <sup>2</sup> /AWG/kcmil  | 14    |
| Nominal current I <sub>N</sub>  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 600 V |

# Contact insert - HC-D 7-ESTC-COD - 1408575

## Approvals

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
| mm <sup>2</sup> /AWG/kcmil     | 14    |
| Nominal current I <sub>N</sub> | 10 A  |
| Nominal voltage U <sub>N</sub> | 600 V |
| EAC                            |       |
| EAC                            |       |
| cULus Recognized               |       |

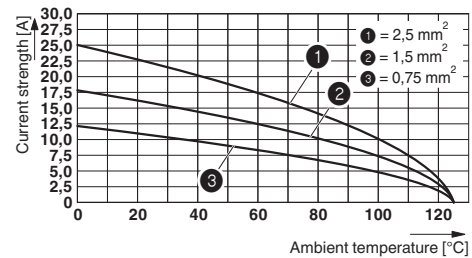
## Drawings

Schematic diagram



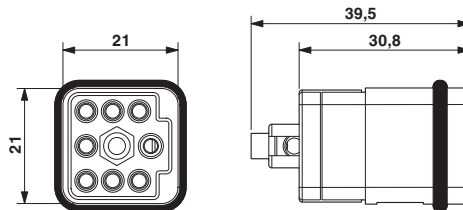
Connector pin assignment (connection side)

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Male insert (turned contacts)

