

# HC-D 7-ESTC-R

Order No.: 1679456



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1679456>

HEAVYCON male insert, D7 series, 7-pos., crimp connection, rolled contacts

| Commercial data          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918163686      |
| Pack                     | 10 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.0149 KG          |
| Catalog page information | Page 438 (PC-2009) |

### Product notes

WEEE/RoHS-compliant since: 12/01/2005



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## Technical data

| General data                    |   |
|---------------------------------|---|
| Note                            | For HC-D7 housing, crimp contacts CK1,6-ER (crimp contacts not included in scope of supply) |
| Connection method               | Crimp connection  |
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts)  |
| 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   |
| 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   |
| 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 (0.5 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. |

**Material data**

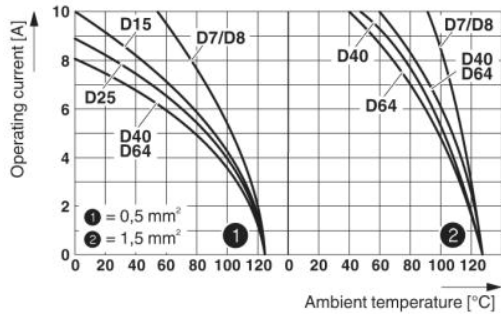
|                                    |                       |
|------------------------------------|-----------------------|
| Inflammability class acc. to UL 94 | V0                    |
| Seal material                      | NBR                   |
| Contact material                   | Copper alloy          |
| Contact surface material           | Ag (alternatively Au) |
| Contact carrier material           | PA                    |

**Electrical characteristics**

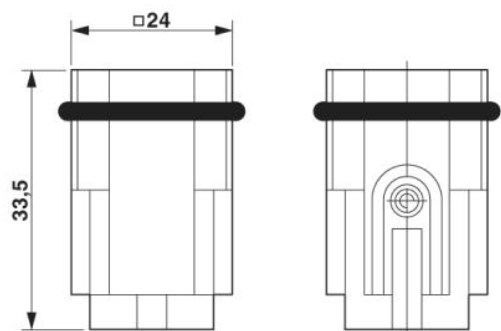
|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage   | 4 kV  |
| Rated current         | 10 A  |

**Drawings**

Diagram

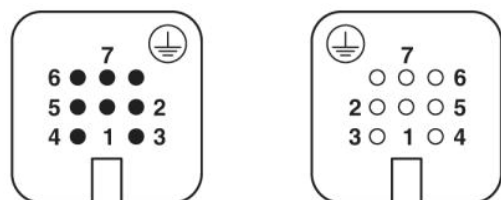


Dimensioned drawing



Male insert

Schematic diagram



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