Extract from the online catalog

# HC-D 7-ESTC

Order No.: 1772243



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1772243

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

| Commercial data | |
|---|---|
| EAN | 4017918036911 |
| Pack | 10 pcs. |
| Customs tariff | 85366990 |
| Weight/Piece | 0.01155 KG |
| Catalog page information | Page 438 (PC-2009) |

Product notes

WEEE/RoHS-compliant since: 03/01/2006

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## Technical data

### General data

| | |
|---|---|
| Note | For HC-D7 housing, crimp contacts CK1,6-ED (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 mm² ... 2.5 mm² |
| Connection cross section AWG | 26 ... 14 |
| Stripping length of the individual wire | 8 mm |
| | 6 mm (2.5 $mm^2$) |
| 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. |

**Material data**

| | |
|---|---|
| Inflammability class acc. to UL 94 | V0 |
| 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 |

## Certificates / Approvals

| | |
|---|---|
| Certification | CSA, GOST, UL |

**CSA**

| | |
|---|---|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A |

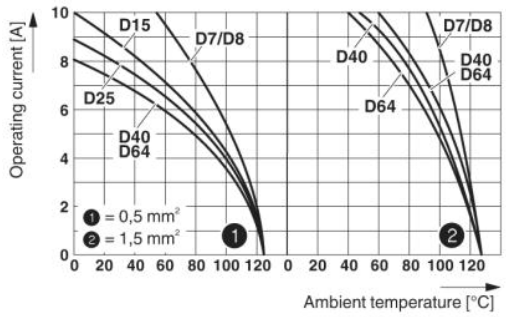
| | |
|---|---|
| AWG/kcmil | 22-16 |

**UL**

| | |
|---|---|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 10 A |
| AWG/kcmil | 22-16 |

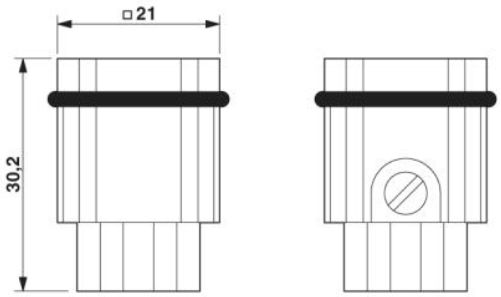
## Diagrams/Drawings

Diagram



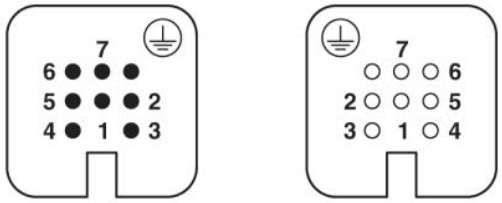

Derating diagram: HC-D...C series

Dimensioned drawing




Male insert (turned contacts)

Schematic diagram



## Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057,USA
Phone (800) 888-7388
Fax (717) 944-1625
http://www.phoenixcon.com

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