



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

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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 |
| | Screw connection (PE connection) |
| Degree of pollution | 3 |
| Overvoltage 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 |
| Size | D7 |
| Connection in acc. with standard | IEC / EN |

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Technical data

General

| | |
|-----------------------------------------|--------------------------------------------------------------------|
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |
| 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 | 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 |

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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 ² /AWG/kcmil | 14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 600 V |

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

Approvals

| | |
|--------------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 600 V |
| EAC | |
| EAC | |
| cULus Recognized | |

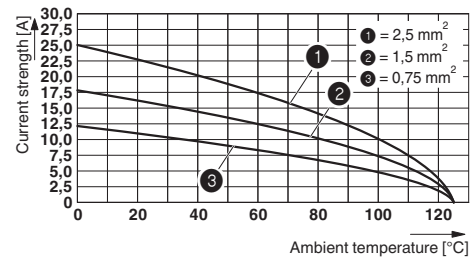
Drawings

Schematic diagram



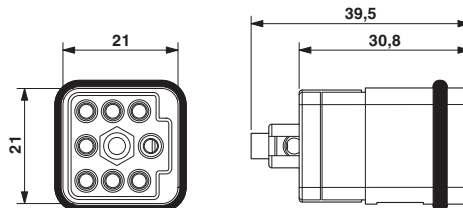
Connector pin assignment (connection side)

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Male insert (turned contacts)

