

## Contact insert - HC-D 40-I-CT-M - 1584415

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HEAVYCON male insert, D40 series, 40-pos., crimp connection. PE connection using tension sleeve technology.



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 68.0 GRM |
| Custom tariff number                 | 85366990 |
| Country of origin                    | China    |

### Technical data

#### General

|                                        |                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------|
| Note                                   | For HC-D40 housing, crimp contacts CK1,6-ED (crimp contacts not included in 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                    | 40+PE                                                                                        |
| Insertion/withdrawal cycles            | ≥ 500                                                                                        |
| Type                                   | B16                                                                                          |
| Connection in acc. with standard       | IEC / EN                                                                                     |
| Conductor cross section                | 0.14 mm² ... 2.5 mm²                                                                         |
| Connection cross section AWG           | 26 ... 14                                                                                    |

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## Technical data

### General

|                                         |                                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------|
| Stripping length of the individual wire | 8 mm                                                                                           |
|                                         | 6 mm (2.5 mm <sup>2</sup> )                                                                    |
| Assembly instructions                   | - Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed. |
| Connection                              | Connectors may be plugged in only when there is no load/voltage.                               |

### 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                | PA                    |

### 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 | 27261205 |
| eCl@ss 7.0 | 27440207 |
| eCl@ss 8.0 | 27440207 |

### ETIM

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

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |

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#### UNSPSC

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

### Accessories

#### Accessories

##### Adapter plate

Adapter plate - HC-B 24-ADP-B 16-GY - 1660449



HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray

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### Assembly tool

Removal tool - VC-EW 1,6 - 1884869



Contact removal tool, for turned and rolled CK- 1.6-... contacts

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### Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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### Accessories

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismating of up to six connectors with an identical number of positions

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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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### Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,50ST AG - 1663349



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,75ST AG - 1663352



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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### Accessories

Crimp contact - CK1,6-ED-1,00ST AG - 1663365



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-1,50ST AG - 1663378



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-2,50ST AG - 1663381



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,37ST AU - 1674901



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,50ST AU - 1672453



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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### Accessories

Crimp contact - CK1,6-ED-0,75ST AU - 1674914



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-1,00ST AU - 1674888



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-1,50ST AU - 1674875



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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### Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

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### Accessories

#### Docking frame

Docking frames - HC-B 16-ANDOCK - 1586138



Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

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#### Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

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PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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## Accessories

### Plug assembly frame

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

### Plug mounting plate

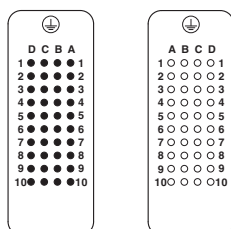
Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973



HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

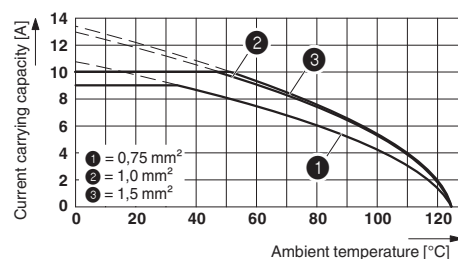
## Drawings

### Schematic diagram



Connector pin assignment connection side: Left pin; right socket

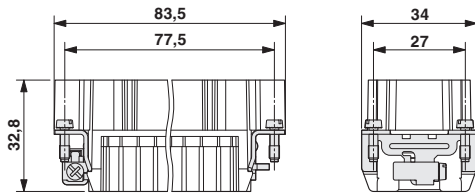
### Diagram



Derating diagram: HC-D...C series

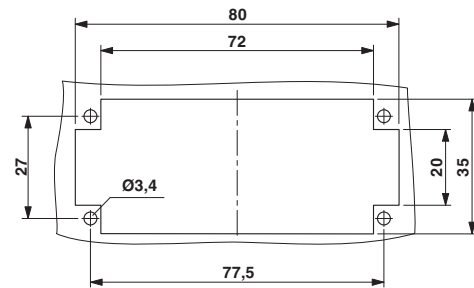
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Dimensioned drawing



Male insert

Dimensioned drawing



Mounting cutout when used without housing