

## Contact insert - HC-D 25-I-CT-F-Z - 1411481

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HEAVYCON socket insert, D25 series, 25-pos., crimp connection, with special printing (row C pos. 1 is printed with the letter Z)



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 48.0 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | China    |

### Technical data

#### General

|                                        |                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------|
| Note                                   | For HEAVYCON housing type D25, CK1,6-ED crimp contacts (crimp contacts not supplied as standard) |
| Connection method                      | Crimp 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                    | 25+PE                                                                                            |
| Insertion/withdrawal cycles            | ≥ 500                                                                                            |
| Size                                   | D25                                                                                              |
| 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                                                                                           |
| 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

|                                        |                       |
|----------------------------------------|-----------------------|
| Flammability rating 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  |

### Standards and Regulations

|                                        |                            |
|----------------------------------------|----------------------------|
| Connection in acc. with standard       | IEC / EN                   |
| 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 5.1 | 27143424 |
| eCl@ss 6.0 | 27261205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002498 |
| ETIM 5.0 | EC000438 |

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### Approvals

#### Approvals

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#### Approvals

UL Recognized / EAC / CSA / GL

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

|                                                                                                  |       |
|--------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| mm²/AWG/kcmil                                                                                    | 14    |
| Nominal current I <sub>N</sub>                                                                   | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 600 V |

|     |
|-----|
| EAC |
|-----|

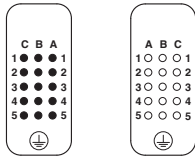
|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/AWG/kcmil                                                                           | 14    |
| Nominal current I <sub>N</sub>                                                          | 8 A   |
| Nominal voltage U <sub>N</sub>                                                          | 600 V |

|    |
|----|
| GL |
|----|

### Drawings

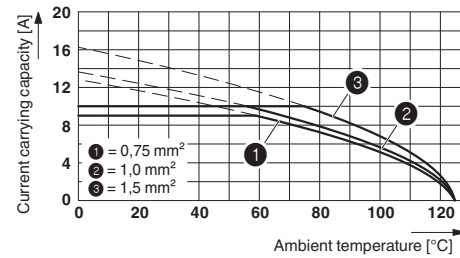
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Schematic diagram



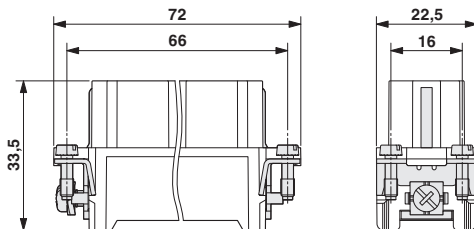
Connector pin assignment connection side: Left pin; right socket

Diagram



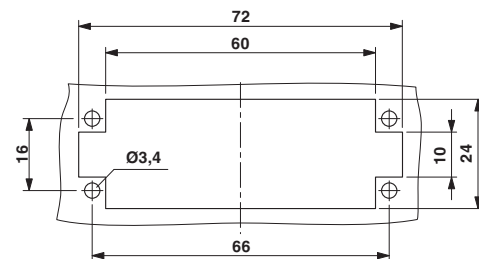
Derating diagram: HC-D...C series

Dimensional drawing



Female insert

Dimensional drawing



Mounting cutout when used without housing