

## Contact insert - HC-DD24-I-CT-M - 1584033

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HEAVYCON male insert, DD24 series, 24-pos., crimp connection. PE connection using tension sleeve technology.

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 10            |
| GTIN             | 4046356133340 |

### Technical data

#### General

|                                         |                                                                                                                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note                                    | For HEAVYCON ADVANCE and HEAVYCON housing of B6 type, crimp contacts CK 1,6-ED (crimp contacts not included in the scope of supply). Plug-in connections may only be operated only when there is no load/voltage. |
| Connection method                       | Crimp connection                                                                                                                                                                                                  |
| Pollution degree                        | 3                                                                                                                                                                                                                 |
| Surge voltage category                  | III                                                                                                                                                                                                               |
| Constructional and testing regulations  | DIN VDE 0627/86                                                                                                                                                                                                   |
| Constructional and testing regulations  | DIN VDE 0110/02.79                                                                                                                                                                                                |
| Constructional and testing regulations  | DIN VDE 0110-1/04.97                                                                                                                                                                                              |
| Constructional and testing regulations  | IEC 60664-1, DIN IEC 60512                                                                                                                                                                                        |
| Constructional and testing regulations  | IEC 60352                                                                                                                                                                                                         |
| Number of positions                     | 24+PE                                                                                                                                                                                                             |
| Insertion/withdrawal cycles             | ≥ 500                                                                                                                                                                                                             |
| Design                                  | B6                                                                                                                                                                                                                |
| Connection in acc. with standard        | IEC / EN                                                                                                                                                                                                          |
| Conductor cross section                 | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                                                                                                                                                      |
| Connection cross section AWG            | 26 ... 14                                                                                                                                                                                                         |
| Stripping length of the individual wire | 8 mm (6 mm (2.5 mm <sup>2</sup> ))                                                                                                                                                                                |
| Stripping length of the individual wire | 6 mm (2.5 mm <sup>2</sup> )                                                                                                                                                                                       |
| Assembly instructions                   | -Housing heights with h ≥ 72 mm are recommended in the case of a large number of wires.-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) |
|---------------------------------|------------------------------------------------------|

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## Technical data

### Material data

|                                                |                       |
|------------------------------------------------|-----------------------|
| <b>Inflammability class according to UL 94</b> | V0                    |
| <b>Contact material</b>                        | Copper alloy          |
| <b>Contact surface material</b>                | Ag (alternatively Au) |
| <b>Contact carrier material</b>                | PA                    |

### Electrical characteristics

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

## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 4.0</b> | 272607xx |
| <b>eCl@ss 4.1</b> | 27260701 |
| <b>eCl@ss 5.0</b> | 27143424 |
| <b>eCl@ss 5.1</b> | 27143424 |
| <b>eCl@ss 6.0</b> | 27143424 |
| <b>eCl@ss 7.0</b> | 27440209 |
| <b>eCl@ss 8.0</b> | 27440209 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 3.0</b> | EC000438 |
| <b>ETIM 4.0</b> | EC000437 |
| <b>ETIM 5.0</b> | EC000437 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211923 |
| <b>UNSPSC 7.0901</b> | 39121522 |
| <b>UNSPSC 11</b>     | 39121522 |
| <b>UNSPSC 12.01</b>  | 39121522 |
| <b>UNSPSC 13.2</b>   | 39121522 |

## approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized /

### Approval details

|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
|-------------------------------------------------------------------------------------|

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### approvals

| Nominal voltage UN         | 250 V |
|----------------------------|-------|
| Nominal current IN         | 7 A   |
| mm <sup>2</sup> /AWG/kcmil | 26-14 |

| <b>UL Recognized</b>  |       |
|--------------------------------------------------------------------------------------------------------|-------|
|                                                                                                        |       |
| Nominal voltage UN                                                                                     | 250 V |
| Nominal current IN                                                                                     | 10 A  |
| mm <sup>2</sup> /AWG/kcmil                                                                             | 14    |

| <b>cUL Recognized</b>  |       |
|---------------------------------------------------------------------------------------------------------|-------|
|                                                                                                         |       |
| Nominal voltage UN                                                                                      | 250 V |
| Nominal current IN                                                                                      | 7 A   |
| mm <sup>2</sup> /AWG/kcmil                                                                              | 14    |

|                                                                                                             |  |
|-------------------------------------------------------------------------------------------------------------|--|
| <b>cULus Recognized</b>  |  |
|-------------------------------------------------------------------------------------------------------------|--|

### accessories

#### Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



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### accessories

HC-B-ZG - 1685327



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HC-B-ZS - 1685330



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### Coding element

CP-HC - 1686478



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HC-CBU - 1676860



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HC-CB - 1772722



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### accessories

HC-CST - 1676857



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### Plug assembly frame

HC-SMR-2B 6 - 1687998



HC-SMR-B 6 - 1687956



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### Assembly tool

VC-EW 1,6 - 1884869



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### Plug mounting plate

HC-SMP 125-B 6-AML - 1660957



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accessories

### Adapter plate

HC-B 24-ADP-B 6-GY - 1660407



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### Docking frame

HC-B 6-ANDOCK - 1586112



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### Crimping tool

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



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### Crimp contact

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



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



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### accessories

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



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



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



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



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



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### accessories

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



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



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



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



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

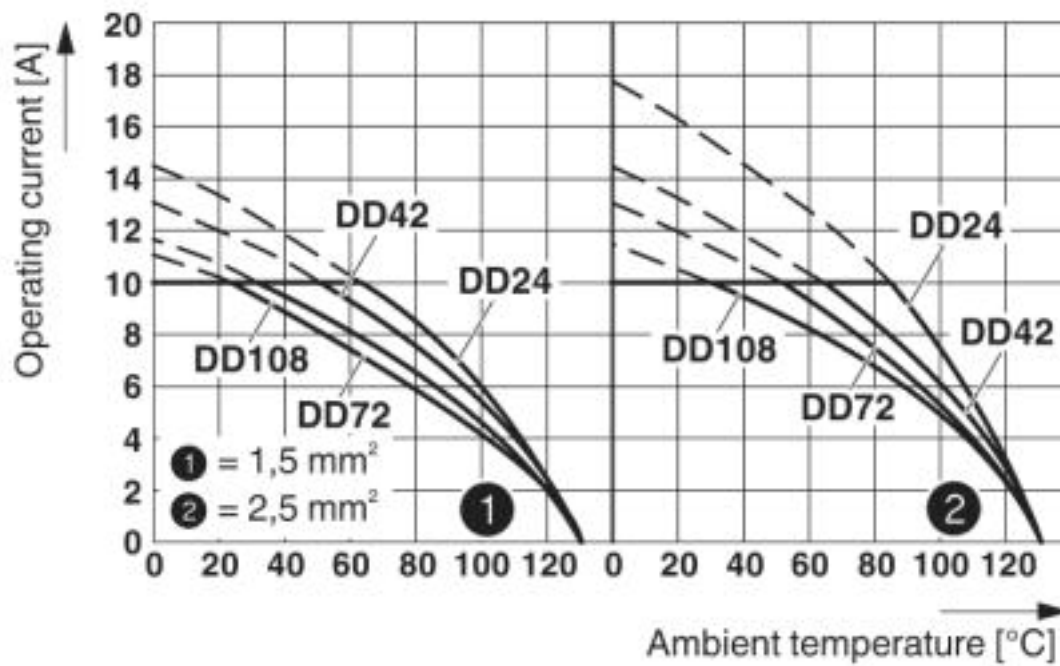


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### Drawings

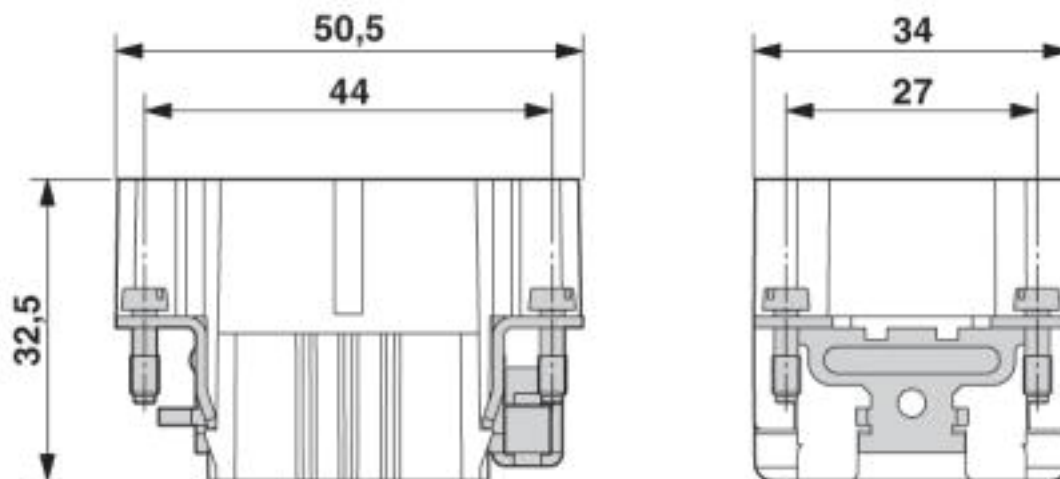
## Contact insert - HC-DD24-I-CT-M - 1584033

Diagram



Derating diagram

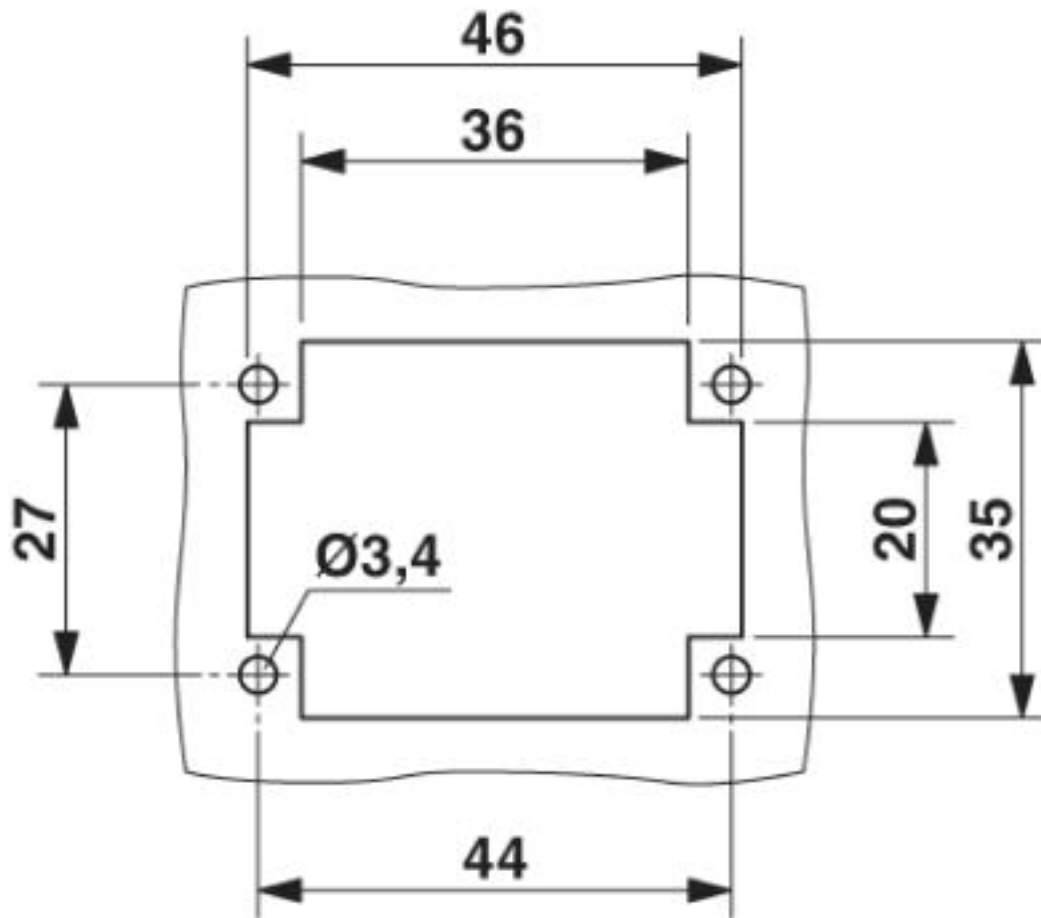
Dimensioned drawing



Male insert

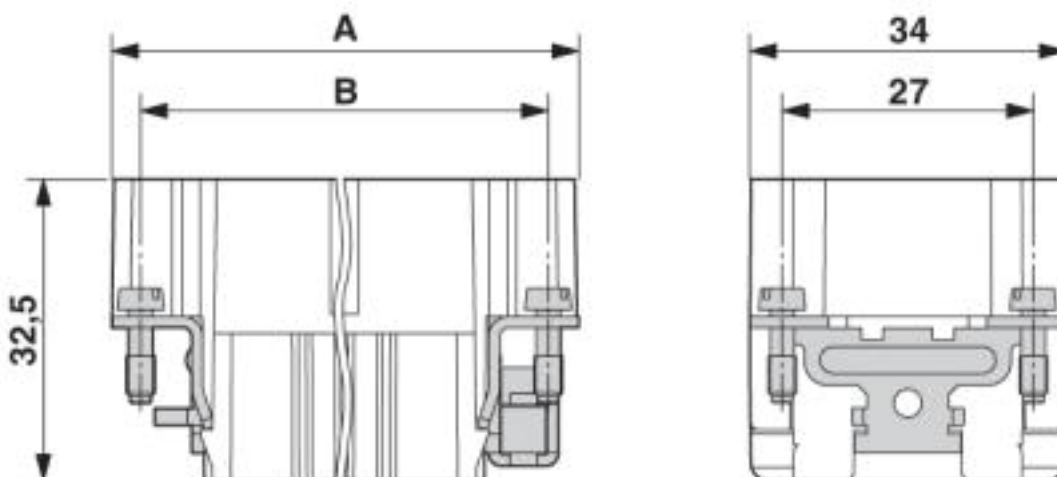
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Dimensioned drawing



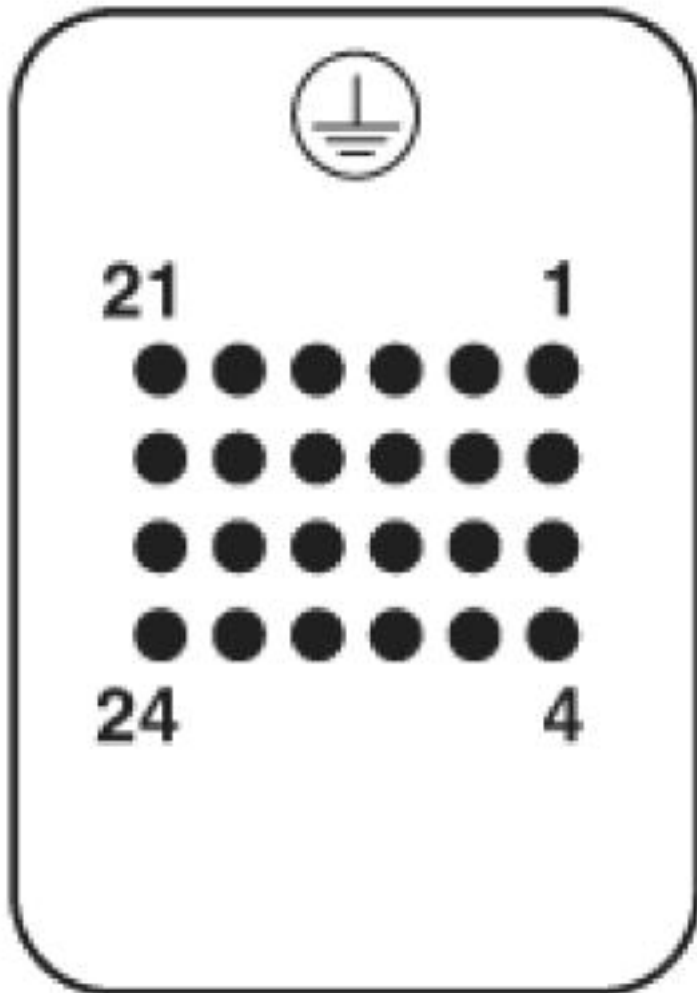
Panel cutout

Dimensioned drawing



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Schematic diagram



Connector pin assignment, connection side

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