

Contact insert - HC-DD108-I-CT-M - 1584114

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



HEAVYCON male insert, DD108 series, 108-pos., crimp connection. PE connection using tension sleeve technology.



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 82.6 GRM |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|--|--|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of B24 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 |
| | DIN VDE 0110/02.79 |
| | DIN VDE 0110-1/04.97 |
| | IEC 60664-1, DIN IEC 60512 |
| | IEC 60352 |
| Number of positions | 108+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B24 |
| Connection in acc. with standard | IEC / EN |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |

Contact insert - HC-DD108-I-CT-M - 1584114

Technical data

General

| | |
|---|---|
| Connection cross section AWG | 26 ... 14 |
| Stripping length of the individual wire | 8 mm (6 mm (2.5 mm ²)) |
| | 6 mm (2.5 mm ²) |
| 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) |
|---------------------------------|--|

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 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440209 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |

Contact insert - HC-DD108-I-CT-M - 1584114

Classifications

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

Approvals

Approvals


Approvals


CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|---|-------|
| CSA  | |
| mm ² /AWG/kcmil | 26-14 |
| Nominal current I _N | 7 A |
| Nominal voltage U _N | 250 V |

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 250 V |

Contact insert - HC-DD108-I-CT-M - 1584114

Approvals

| | |
|--------------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 7 A |
| Nominal voltage U _N | 250 V |

| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Accessories

Accessories

Assembly tool

Removal tool - VC-EW 1,6 - 1884869



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

Coding element

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Contact insert - HC-DD108-I-CT-M - 1584114

Accessories

Coding bolt - HC-CB - 1772722



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

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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 mm², silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm², silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm², silver-plated

Contact insert - HC-DD108-I-CT-M - 1584114

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 mm², silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm², silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm², gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm², gold-plated

Contact insert - HC-DD108-I-CT-M - 1584114

Accessories

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm², gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm², gold-plated

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...

Contact insert - HC-DD108-I-CT-M - 1584114

Accessories

Docking frame

Docking frames - HC-B 24-ANDOCK - 1586141



Docking frame for racks, for contact inserts of B24 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

Mounting material

Mounting material - HC-B-PES - 1604997



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

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

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

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

Contact insert - HC-DD108-I-CT-M - 1584114

Accessories

Plug assembly frame

Connector assembly frame - HC-SMR-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

Plug mounting plate

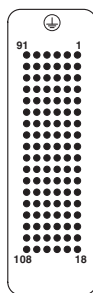
Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944



HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24, 150 mm long

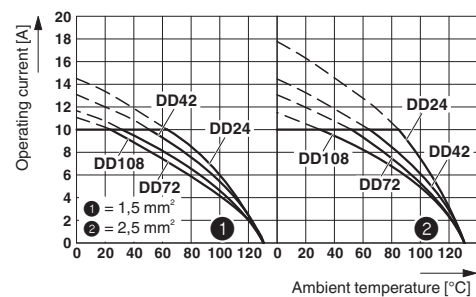
Drawings

Schematic diagram



Connector pin assignment, connection side

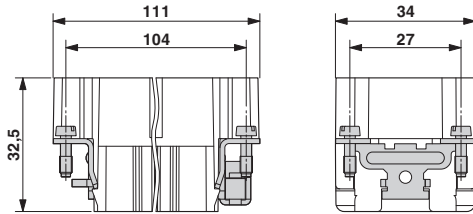
Diagram



Derating diagram

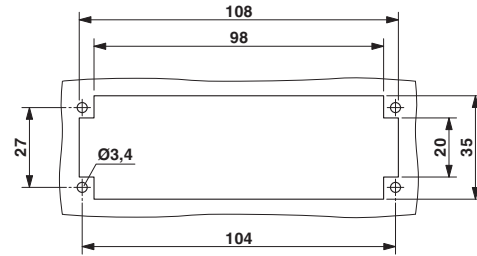
Contact insert - HC-DD108-I-CT-M - 1584114

Dimensioned drawing



Male insert

Dimensioned drawing



Panel cutout