

Contact insert - HC-DD42-I-CT-M - 1584059

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HEAVYCON male insert, DD42 series, 42-pos., crimp connection. PE connection using tension sleeve technology.



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 53.43 GRM |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|--|--|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of B10 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 | 42+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B10 |
| Connection in acc. with standard | IEC / EN |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |

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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 |

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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 |

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Approvals

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

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

Accessories

Accessories

Adapter plate

Adapter plate - HC-B 24-ADP-B 10-GY - 1660436



HEAVYCON adapter plate, type B24 on B10, for panel cutouts of type B24, gray

Assembly tool

Removal tool - VC-EW 1,6 - 1884869



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

Coding element

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Accessories

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

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

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Accessories

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

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

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Accessories

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

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

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Accessories

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...

Docking frame

Docking frames - HC-B 10-ANDOCK - 1586125



Docking frame for racks, for contact inserts of B10 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

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Accessories

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

Plug assembly frame

Connector assembly frame - HC-SMR-B10 - 1687969



HEAVYCON connector assembly frame, for contact inserts of type B10

Plug mounting plate

Connector assembly frame - HC-SMP 125-B10-AMQ - 1660960



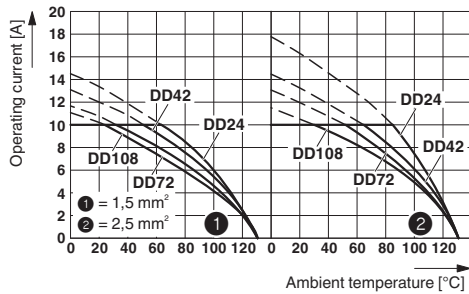
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B10

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Accessories

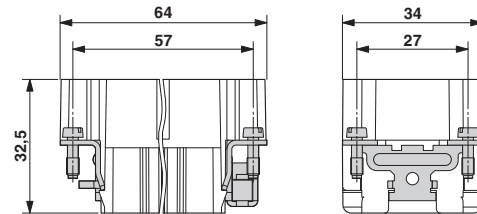
Drawings

Diagram



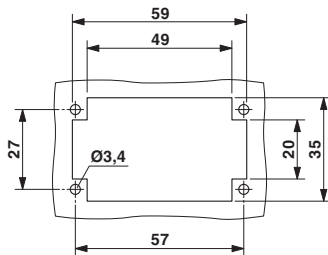
Derating diagram

Dimensioned drawing



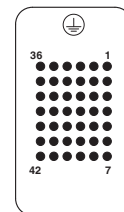
Male insert

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side