

Contact insert - HC-B 24-I-DT-M - 1648319

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HEAVYCON male insert, B24 series, 24-pos., Push-in connection



Key commercial data

| | |
|--------------------------------------|------------|
| Packing unit | 1 1 |
| Weight per Piece (excluding packing) | 121.66 GRM |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|---|---|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of B24 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage. |
| Connection method | Push-in connection |
| Pollution degree | 3 |
| Surge voltage category | III |
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Number of positions | 24+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B24 |
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 10 mm (13 mm if ferrules are used) |

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Technical data

General

| | |
|-----------------------|---|
| Assembly instructions | 1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm ² ... 2.5 mm ² with / without insulating collar, length: 10 mm. 2) SZF0-0.4x2.5 screwdriver (similar to DIN 5264). |
| Connection | For housing type B24. Connectors may only be operated when there is no load/the power is switched off. Coding also using the CP-HC coding profile (1686478). HC-B6../HC-B10.. for 2 coding profiles. HC-B16../HC-B24.. for 4 coding profiles. Mounting/removal of 0.5 - 0.75 mm ² wires using a screwdriver. |

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|--|

Material data

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|---|--------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PA |

Electrical characteristics

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 500 V |
| Rated surge voltage | 6 kV |
| Rated current | 16 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 | EC000438 |
| ETIM 5.0 | EC000438 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 6.01 | 30211923 |
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Classifications

UNSPSC

| | |
|---------------|----------|
| 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 | 22-14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 22-14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

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Approvals

| | |
|--------------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 22-14 |
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| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Accessories

Accessories

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

Coding bolt - HC-CB - 1772722



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

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Accessories

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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

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Accessories

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-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

Plug mounting plate

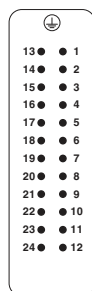
Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944



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

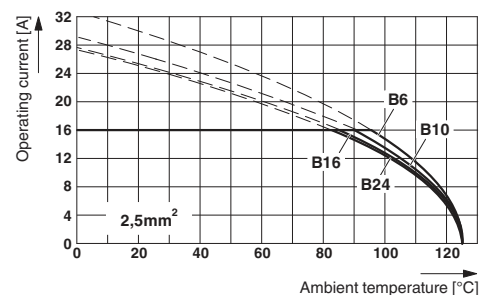
Drawings

Schematic diagram



Connector pin assignment, connection side

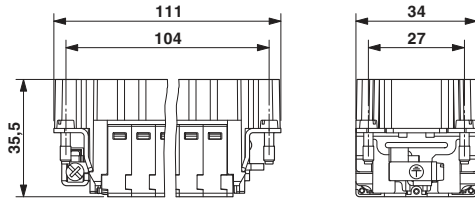
Diagram



Derating diagram: HC-B...DT series

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Dimensioned drawing



HC-B 24-ESTZ male insert

Dimensioned drawing

