

Contact insert - HC-B 24-I-UT-F-48 - 1584949

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HEAVYCON female insert, B24 series, 24-pos., 25 ... 48 color print, screw connection. PE connection using tension sleeve technology.

Product Features

- For fast coding with plastic profile
- PE connection using tension sleeve technology



Key commercial data

| | |
|----------------------|---|
| Packing unit | 1 PCE |
| GTIN |  4 046356 156158 |
| Custom tariff number | 85366990 |
| Country of origin | CHINA |

Technical data

General data

| | |
|--|--|
| Note | For HEAVYCON-ADVANCE of B24 type and HEAVYCON housing of B24/B48 type Plug-in connections may only be operated only when there is no load/voltage. |
| Connection method | Screw connection |
| Tightening torque | 0.5 Nm ... 0.8 Nm |
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
| Pollution degree | 3 |
| Surge voltage category | III |
| Constructional and testing regulations | DIN EN 61984 |
| Constructional and testing regulations | DIN EN 60664 |
| Constructional and testing regulations | IEC 60352 |
| Number of positions | 24+PE |

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Technical data

General data

| | |
|---|--|
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B24 |
| Connection in acc. with standard | IEC / EN |
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 8 mm |
| Assembly instructions | Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles. |
| Connection | Connectors may only be actuated when there is no load/voltage. |

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

ETIM

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

UNSPSC

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

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 7.0 | 27440209 |

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

Accessories

Accessories

Plug/Adapter

Coding profile - CP-HC - 1686478



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

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

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Accessories

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 plug-in connectors

Coding bolt - HC-CB - 1772722



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

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 - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 plug-in connectors

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Accessories

Connector assembly frame - HC-SMR-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

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

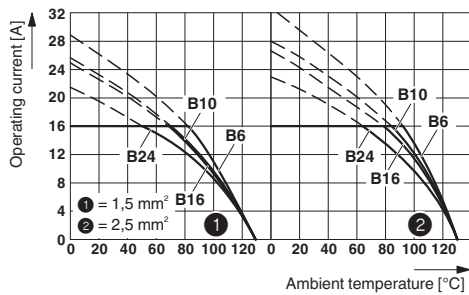
Docking frames - HC-B 24-ANDOCK - 1586141



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

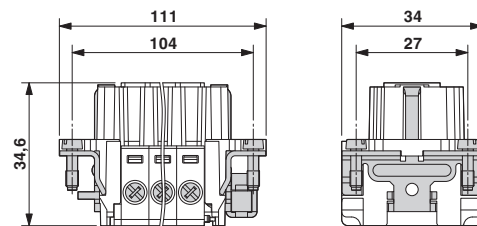
Drawings

Diagram



Derating diagram

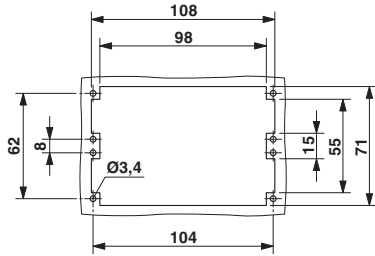
Dimensioned drawing



Female insert

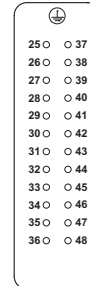
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Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side