

Contact insert - HC-B 24-I-PT-F-48 - 1407737

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HEAVYCON socket insert, B24 series, 24 + PE-pos., pos. marking 25-48, push-in connection

Why buy this product

- For fast coding with plastic profile
- Conductor connection without tools
- Significant time savings during conductor connection
- Test connection for 2 mm test plug



Key commercial data

| | |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc |
| GTIN |  4 046356 777735 |
| Weight per Piece (excluding packing) | 125.0 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Connection method | Push-in connection |
| Pollution degree | 3 |
| Surge voltage category | III |
| Number of positions | 24+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Type | B24 |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 26 ... 14 |
| Stripping length | 8 mm ... 10 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. |

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Technical data

General

| | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Connection | Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

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/Sn (tarnish protection) |
| 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 | 27440205 |

ETIM

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

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals

CSA / UL Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|-------|
| CSA | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 600 V |

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

| |
|-----|
| EAC |
|-----|

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

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Accessories

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

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

Screw - 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-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

Plug mounting plate

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

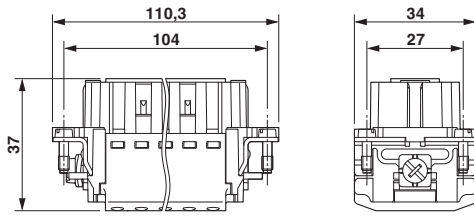


HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24, 150 mm long

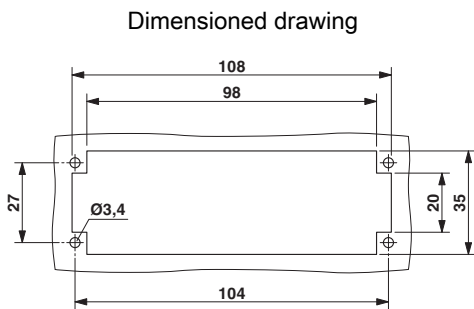
Drawings

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Dimensioned drawing

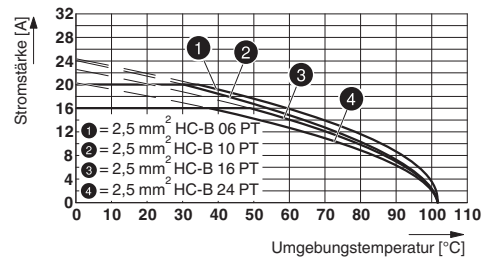


Dimensional drawing



Mounting cutout when used without housing

Diagram



Derating diagram for 2.5 mm²

Schematic diagram

| Pin | Assignment |
|-----|------------|
| 25 | 0 37 |
| 26 | 0 38 |
| 27 | 0 39 |
| 28 | 0 40 |
| 29 | 0 41 |
| 30 | 0 42 |
| 31 | 0 43 |
| 32 | 0 44 |
| 33 | 0 45 |
| 34 | 0 46 |
| 35 | 0 47 |
| 36 | 0 48 |

Connector pin assignment, connection side