

## Contact insert - HC-B 06-I-PT-M - 1407728

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HEAVYCON pin insert, B6 series, 6 + PE-pos., 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 777537
Weight per Piece (excluding packing)	50.1 g
Custom tariff number	85366990
Country of origin	China

### Technical data

#### General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B6 type. Plug-in connections may only be operated only when there is no load/voltage.
Connection method	Push-in connection
Pollution degree	3
Surge voltage category	III
Number of positions	6+PE
Insertion/withdrawal cycles	≥ 500
Type	B6
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

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## Technical data

### General

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 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)
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### 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

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## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / EAC

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

CSA	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

EAC
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## Accessories

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#### Adapter plate

Adapter plate - HC-B 24-ADP-B 6-GY - 1660407



HEAVYCON adapter plate, type B24 on B6, for panel cutouts of type B24, gray

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## Accessories

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### 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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Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Coding bolt - HC-CB - 1772722



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

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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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### Docking frame

Docking frames - HC-B 6-ANDOCK - 1586112



Docking frames for racks, for type B6 contact inserts, with 4 M5 flat headed screws, slide-in offset for x/y axis of  $\pm 1.5$  mm

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### Mounting material

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### Accessories

Screw - HC-B-PES - 1604997



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

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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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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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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

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### Plug assembly frame

Connector assembly frame - HC-SMR-2B 6 - 1687998



HEAVYCON connector assembly frame, for two contact inserts of type B6

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## Accessories

Connector assembly frame - HC-SMR-B 6 - 1687956



HEAVYCON plug assembly frame, for type B6 contact inserts

## Plug mounting plate

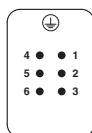
Connector assembly frame - HC-SMP 125-B 6-AML - 1660957



HEAVYCON connector assembly frame with panel mounting base with single locking latch, for contact inserts of type B6

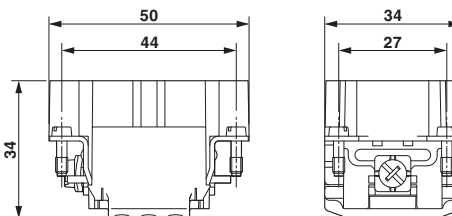
## Drawings

Schematic diagram



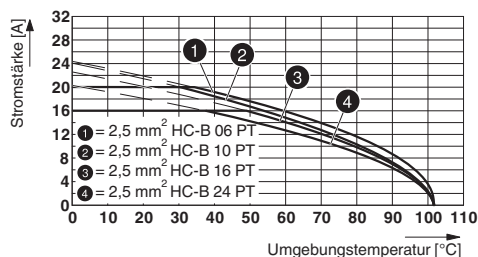
Connector pin assignment, connection side

Dimensioned drawing



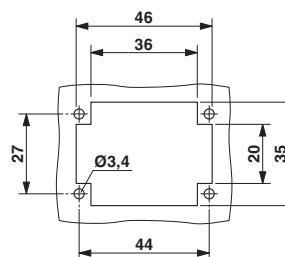
Dimensional drawing

Diagram



Derating diagram for 2.5 mm<sup>2</sup>

Dimensioned drawing



Mounting cutout when used without housing