

## Contact insert - HC-B 10-I-PT-M - 1407730

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HEAVYCON pin insert, B10 series, 10 + 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 STK
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85366990
Country of origin	China

### Technical data

#### General

Connection method	Push-in connection
Degree of pollution	3
Overvoltage category	III
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Size	B10
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (with ferrule)
Connection cross section AWG	26 ... 14 (with ferrule)

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## Technical data

### General

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.
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

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

### Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

### Standards and Regulations

Connection in acc. with standard	IEC / EN
Flammability rating according to UL 94	V0

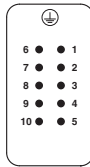
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

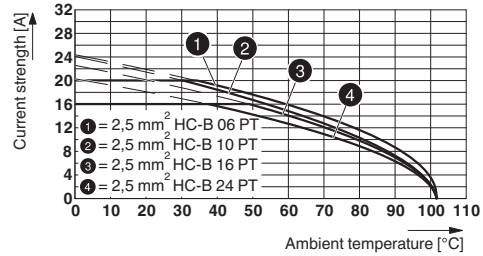
# Contact insert - HC-B 10-I-PT-M - 1407730

Schematic diagram



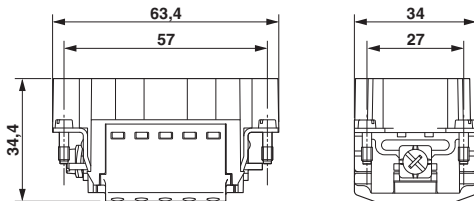
Connector pin assignment, connection side

Diagram



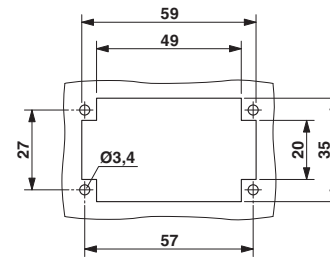
Derating diagram for 2.5 mm²

Dimensional drawing



Dimensional drawing

Dimensional drawing



Mounting cutout when used without housing

## Approvals

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CSA / UL Recognized / EAC / EAC / GL


### Ex Approvals

### Approval details

CSA <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> 13631	
mm²/AWG/kcmil	14
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

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### Approvals

UL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 118976	
mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

EAC EAC-Zulassung

EAC 7500651.22.01.00246

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 6196614