

# Contact insert - HC-B24-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 STK
GTIN	
GTIN	4046356777735

## Technical data

### General

Connection method	Push-in connection
Degree of pollution	3
Overvoltage category	III
Number of positions	24+PE
Insertion/withdrawal cycles	≥ 500
Size	B24
Contact numbering	25 - 48
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
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.
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### Ambient conditions

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

Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: 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 (power contacts)

### Standards and Regulations

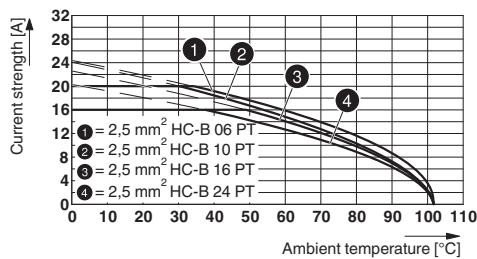
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

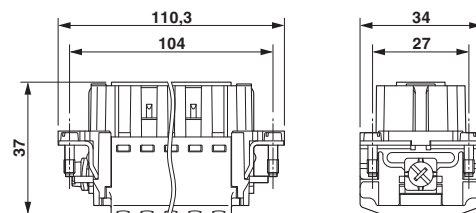
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Diagram



Dimensional drawing

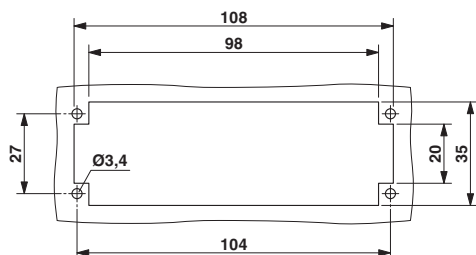


Dimensional drawing

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

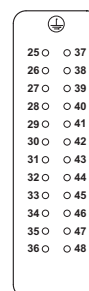
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Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / GL / EAC

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm <sup>2</sup> /AWG/kcmil		14	

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
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm <sup>2</sup> /AWG/kcmil		14	

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
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### Approvals

EAC



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