

# Contact insert - HC-B24-I-PT-M-48 - 1407738

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON pin 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	4046356777742

## 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.

# Contact insert - HC-B24-I-PT-M-48 - 1407738

## 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

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

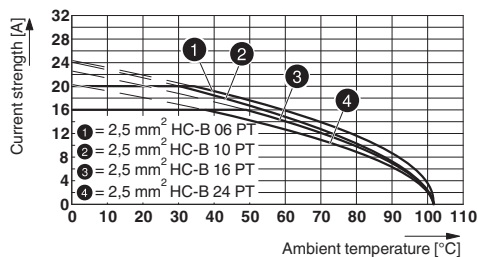
Flammability rating according to UL 94	V0
--	----

### Environmental Product Compliance

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

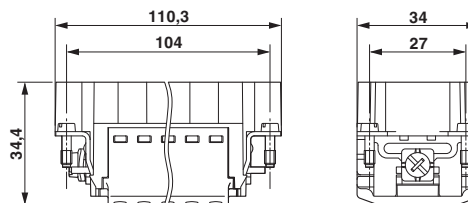
## Drawings

Diagram



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

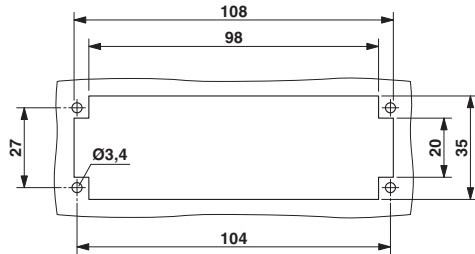
Dimensional drawing



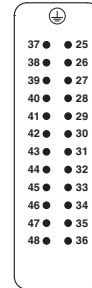
Dimensional drawing

# Contact insert - HC-B24-I-PT-M-48 - 1407738

Dimensional drawing



Schematic diagram



Mounting cutout when used without housing

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
----	--	---	------------

## Contact insert - HC-B24-I-PT-M-48 - 1407738

### Approvals

EAC



RU C-  
DE.AI30.B.01102

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>