

# Contact insert - HC-B10-I-PT-F - 1407729

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HEAVYCON socket insert, B10 series, 10 + PE-pos., push-in connection

## Your advantages

- 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	
GTIN	4046356777544

## Technical data

### General

Note	For solid conductors or stranded conductors with ferrules Connectors may be operated only when there is no load/voltage.
Connection method	Push-in connection
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Size	B10
Contact numbering	1 - 10
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	To ensure correct use, installation in housing with IP54 protection or better is required
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

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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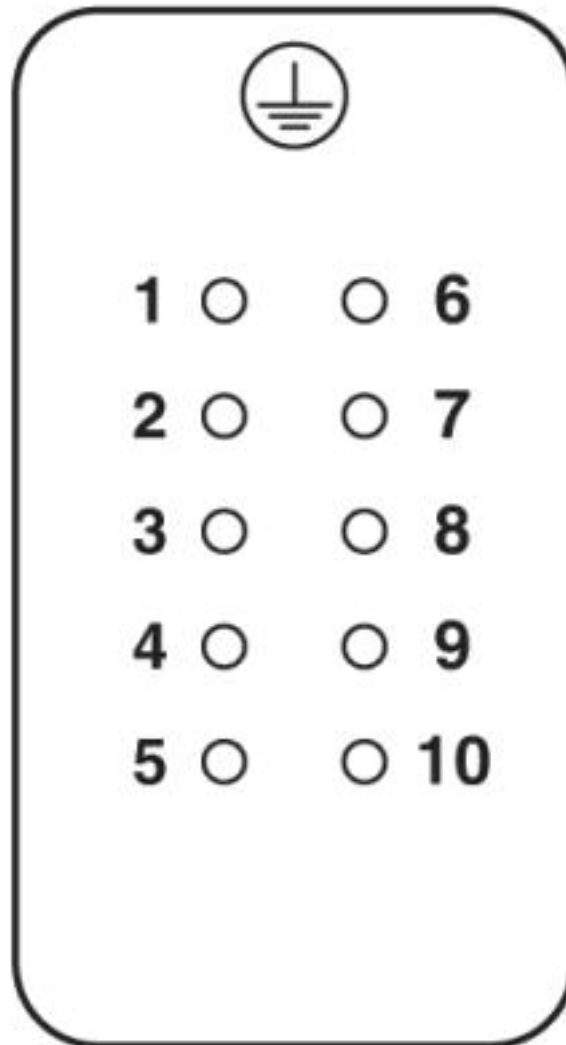
### Environmental Product Compliance

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

## Drawings

## Contact insert - HC-B10-I-PT-F - 1407729

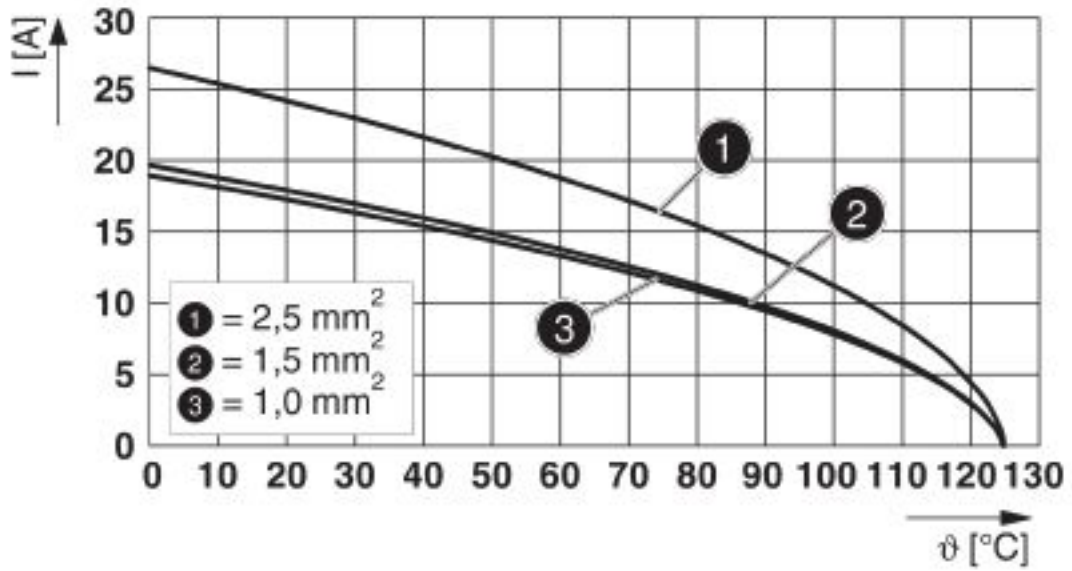
Schematic diagram



Connector pin assignment, connection side

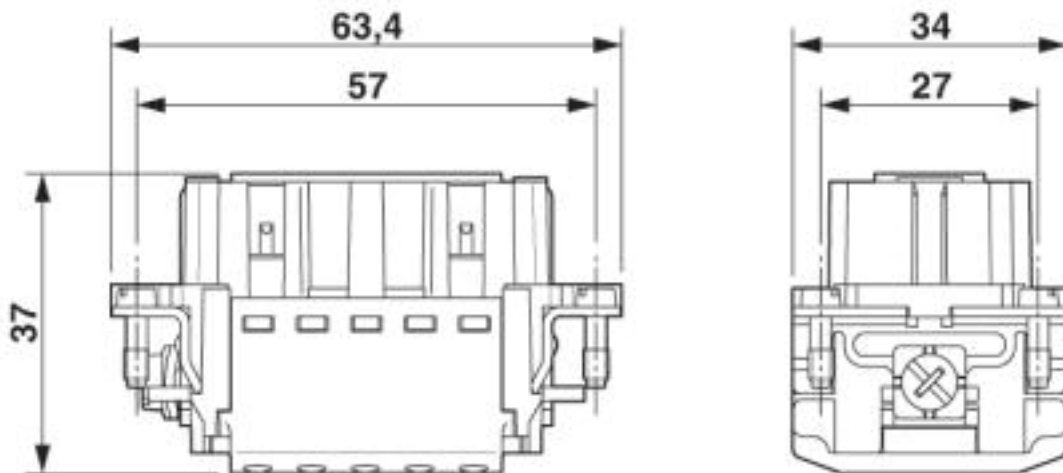
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Diagram



Derating diagram

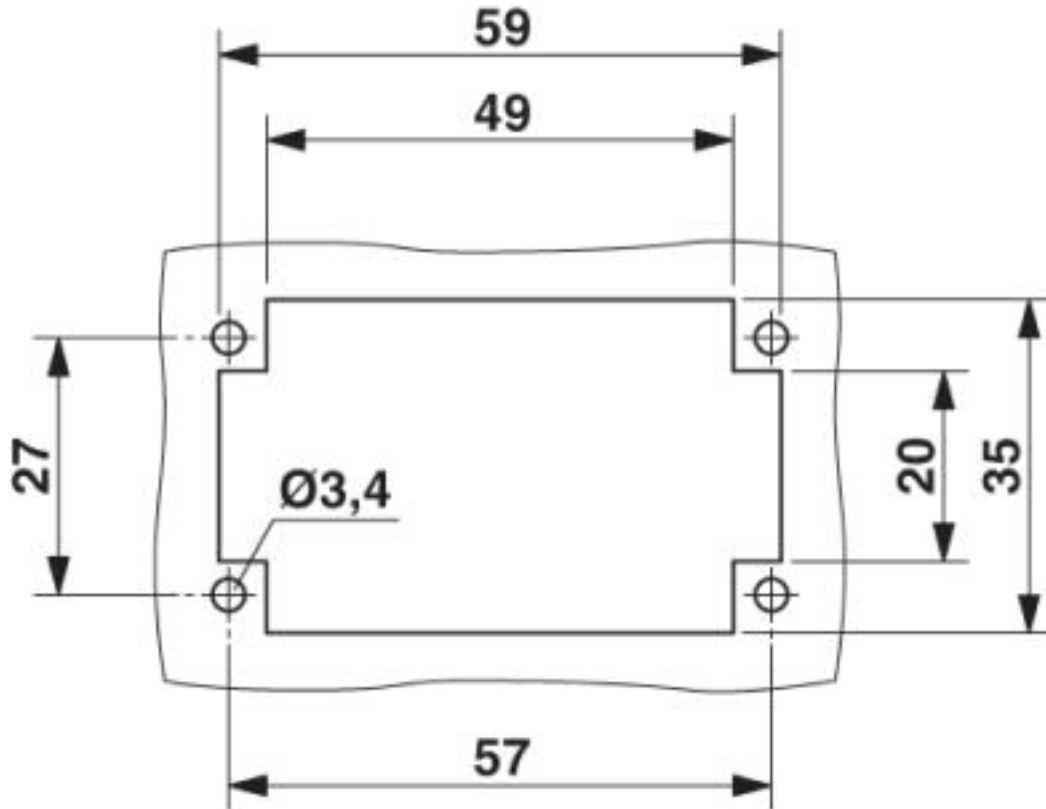
Dimensional drawing



Dimensional drawing

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Dimensional drawing



Mounting cutout when used without housing

## Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / DNV GL

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	

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### Approvals

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	

EAC			RU C- DE.AI30.B.01102
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DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE000037S
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