

# Contact insert - HC-BB18-I-CT-M - 1584716

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HEAVYCON plug insert, series: BB18, 18-pos., crimp connection, with plastic coding profile, can be coded

## Why buy this product

- For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)



## Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356149235

## Technical data

### General

Note	For HC-B10 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	18+PE
Insertion/withdrawal cycles	≥ 500
Size	B10
Contact numbering	1 - 18
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm
Assembly instructions	- Housing heights of h ≥ 72 mm are recommended when there is a high number of wires.

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## Technical data

### General

Connection	Connectors may only be inserted when there is no load/the power is switched off. Contact release by means of CK2,5-EWZ (Order No. 1662722)
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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 (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and 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

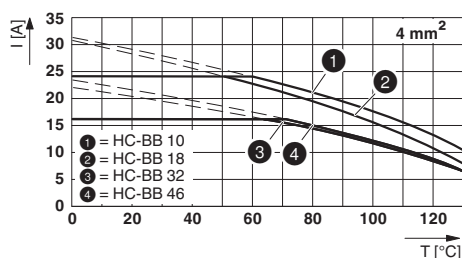
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

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

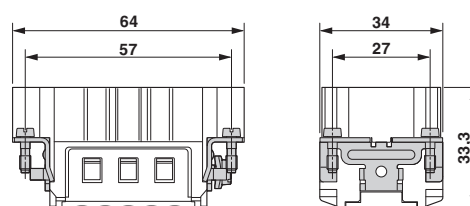
## Drawings

Diagram



Derating diagram (conductor cross section: 4.0 mm²)

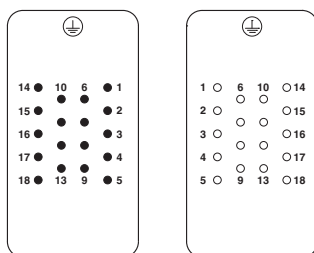
Dimensional drawing



Male insert

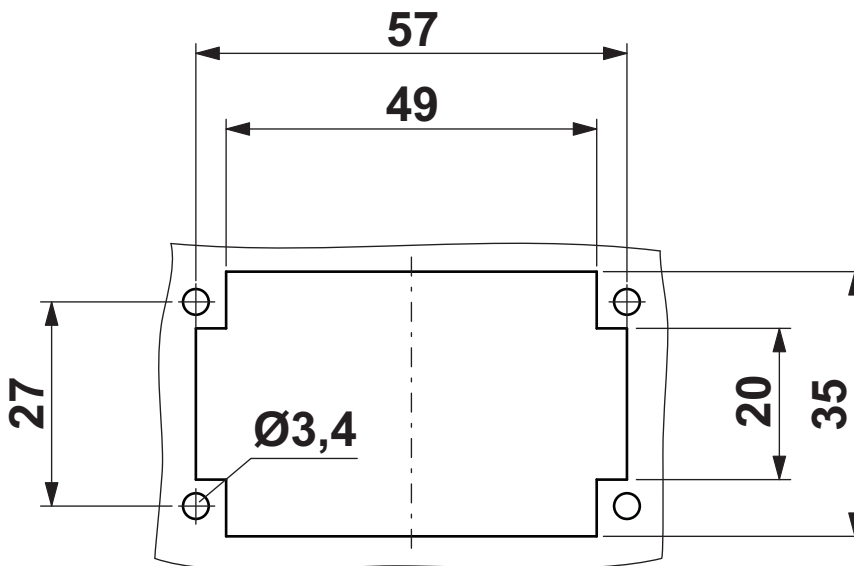
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Schematic diagram



Connector pin assignment: Left pin - right socket

Dimensional drawing



Mounting cutout when used without housing

## Approvals

Approvals

Approvals


UL Recognized / CSA / GL / EAC


Ex Approvals

Approval details


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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		12	
Nominal current I <sub>N</sub>		20 A	
Nominal voltage U <sub>N</sub>		600 V	

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	013631_0_000
mm <sup>2</sup> /AWG/kcmil		12	
Nominal current I <sub>N</sub>		16 A	
Nominal voltage U <sub>N</sub>		600 V	

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
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EAC			RU C- DE.AI30.B.01102
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