



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Contact insert - HC-BB32-I-CT-M 33-64 - 1406544

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HEAVYCON pin insert, series: BB32, 32-pos., pos. marking: 33 ... 64, crimp connection, with plastic coding profile, can be coded

Product Features

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

Key Commercial Data

Packing unit	1 pc
Custom tariff number	85366990
Country of origin	China

Technical data

General

Connection method	Crimp connection
Pollution degree	3
Overvoltage category	III
Number of positions	32+PE
Insertion/withdrawal cycles	≥ 500
Type	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm ² ... 4 mm ²
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.
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)

Ambient conditions

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

Material data

Flammability rating according to UL 94	V0
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

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440205

ETIM

ETIM 4.0	EC000438
ETIM 5.0	EC000438

Approvals

Approvals

Approvals

UL Recognized / EAC / CSA

Ex Approvals

Approvals submitted

Approval details

Contact insert - HC-BB32-I-CT-M 33-64 - 1406544

Approvals

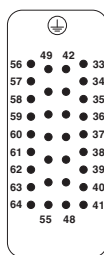
UL Recognized 	
mm²/AWG/kcmil	12
Nominal current I _N	16 A
Nominal voltage U _N	600 V

EAC

CSA 	
mm²/AWG/kcmil	12
Nominal current I _N	13.5 A
Nominal voltage U _N	600 V

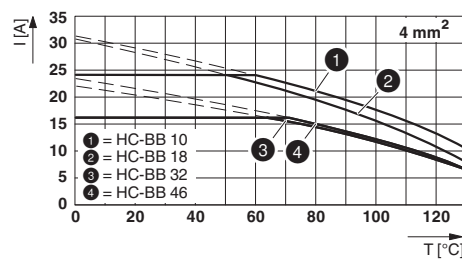
Drawings

Schematic diagram



Connector pin assignment, connection side

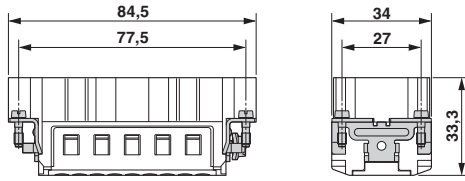
Diagram



Derating diagram (conductor cross section: 4.0 mm²)

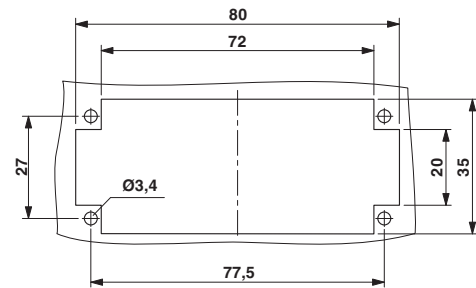
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Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout when used without housing