

Contact insert - HC-BB46-I-CT-M 47-92 - 1406546

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HEAVYCON plug insert, series: BB46, pos. marking: 47 ... 92, 46-pos., 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	46+PE
Insertion/withdrawal cycles	≥ 500
Type	B24
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 $h \geq 72$ 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

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Approvals

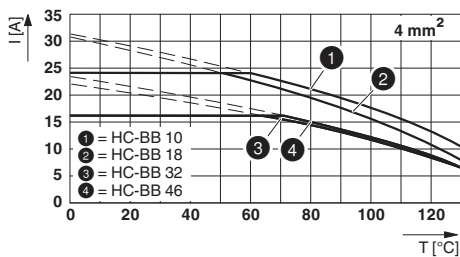
UL Recognized	
mm ² /AWG/kcmil	12
Nominal current I _N	16 A
Nominal voltage U _N	600 V

EAC

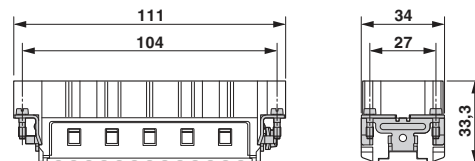
CSA	
mm ² /AWG/kcmil	12
Nominal current I _N	13.5 A
Nominal voltage U _N	600 V

Drawings

Diagram



Dimensional drawing

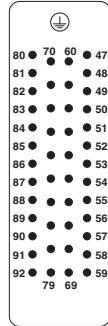


Male insert

Derating diagram (conductor cross section: 4.0 mm²)

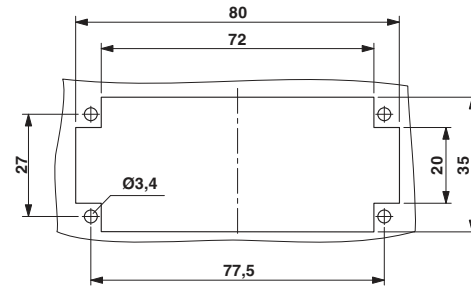
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Schematic diagram



Connector pin assignment, connection side

Dimensional drawing



Mounting cutout when used without housing