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HEAVYCON socket insert, series: BB46, 46-pos., pos. marking: 47 ... 92, 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	111
Number of positions	46+PE
Insertion/withdrawal cycles	≥ 500
Туре	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 $h \geq 72 \mbox{ mm}$ 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)



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



Approvals

Γ

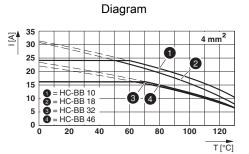
UL Recognized FN	
mm²/AWG/kcmil	12
Nominal current IN	16 A
Nominal voltage UN	600 V

EAC

I

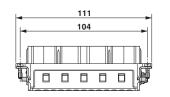
CSA 🕚	
mm²/AWG/kcmil	12
Nominal current IN	13.5 A
Nominal voltage UN	600 V

Drawings



Derating diagram (conductor cross section: 4.0 mm²)

Dimensional drawing



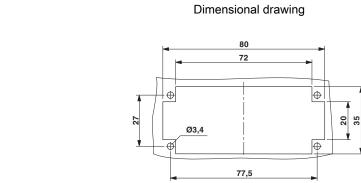


Female insert



Schematic diagram

Image: 100 min state
Image: 10



Mounting cutout when used without housing

Connector pin assignment, connection side

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