

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



HEAVYCON plug insert, series: BB46, 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)

 $\overline{\mathbf{v}}$ 

# 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
Surge voltage category	III
Number of positions	46+PE
Insertion/withdrawal cycles	≥ 500
Туре	B24
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm² 4 mm²
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



# Technical data

#### Ambient conditions

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

## Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

#### Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

# Classifications

# eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205

## **ETIM**

ETIM 4.0	EC000438
ETIM 5.0	EC000438

#### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

# Approvals

# Approvals



# Approvals

Approvals
-----------

UL Recognized / EAC

Ex Approvals

Approvals submitted

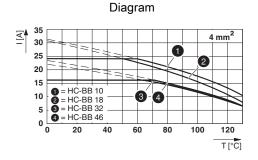
## Approval details

UL Recognized <b>5</b>	
mm²/AWG/kcmil	12
Nominal current IN	16 A
Nominal voltage UN	600 V

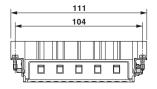
Male insert

EAC

# Drawings



## Dimensional drawing

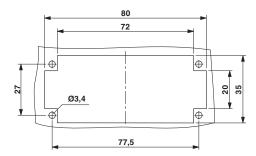




Derating diagram (conductor cross section: 4.0 mm²)

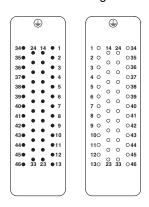


## Dimensional drawing



Mounting cutout when used without housing

## Schematic diagram



Connector pin assignment: Left pin - right socket

Phoenix Contact 2015 @ - all rights reserved http://www.phoenixcontact.com