

# Contact insert - HC-BB 46-EBUC-92 - 1410631

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HEAVYCON socket insert, BB46 series, 46-pos., pos. marking 47 - 92, crimp connection



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 833394
Weight per Piece (excluding packing)	91.9 g
Custom tariff number	85389099
Country of origin	Romania

## Technical data

### General

Connection method	Crimp connection
Pollution degree	3
Surge voltage 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 <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.
Connection	Connectors may be plugged in only when there is no load/voltage.

### Ambient conditions

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

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## Technical data

### 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	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27261205
eCl@ss 7.0	27440207
eCl@ss 8.0	27440205

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
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

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### Approvals

UL Recognized / CSA / EAC

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## Approvals

Ex Approvals

Approvals submitted

### Approval details

UL Recognized	
Nominal voltage UN	600 V

CSA	
mm <sup>2</sup> /AWG/kcmil	20-12
Nominal current I <sub>N</sub>	16 A
Nominal voltage UN	600 V

EAC
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## Accessories

Accessories

Assembly tool

Contact removal tool - CK2,5-EWZ - 1662722



Contact removal tool, for turned CK 2,5... contacts

Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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### Accessories

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Coding bolt - HC-CB - 1772722



Coding pin, prevents mismating of up to six connectors with an identical number of positions

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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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Dummy socket - CK2,5-ED-BB - 1584693



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.

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### Crimp contact

Crimp contact - CK2,5-ED-0,50BU AG - 1663640



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-0,75BU AG - 1663653



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-BB 46-EBUC-92 - 1410631

### Accessories

Crimp contact - CK2,5-ED-1,00BU AG - 1663666



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-1,50BU AG - 1663679



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-2,50BU AG - 1663682



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-3,00BU AG - 1663695



Turned 2.5 crimp contact, individual female contact, core diameter 3.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-4,00BU AG - 1663705



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-BB 46-EBUC-92 - 1410631

### Accessories

Crimp contact - CK2,5-ED-0,50BU AU - 1674859



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-1,00BU AU - 1674833



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-1,50BU AU - 1674820



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-2,50BU AU - 1674862



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-4,00BU AU - 1674846



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, gold-plated

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### Crimping tool

## Contact insert - HC-BB 46-EBUC-92 - 1410631

### Accessories

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

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### Docking frame

Docking frames - HC-B 24-ANDOCK - 1586141



Docking frame for racks, for contact inserts of B24 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

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### Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

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PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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## Contact insert - HC-BB 46-EBUC-92 - 1410631

### Accessories

Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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### Plug assembly frame

Connector assembly frame - HC-SMR-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

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### Plug mounting plate

Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944



HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24, 150 mm long

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- CK2,5-ED-0,37BU AG - 1585634



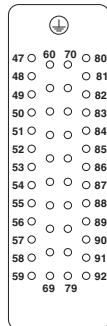
- CK2,5-ED-0,37BU AU - 1585647



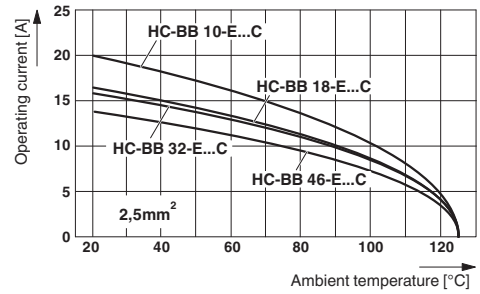
### Drawings

# Contact insert - HC-BB 46-EBUC-92 - 1410631

Schematic diagram



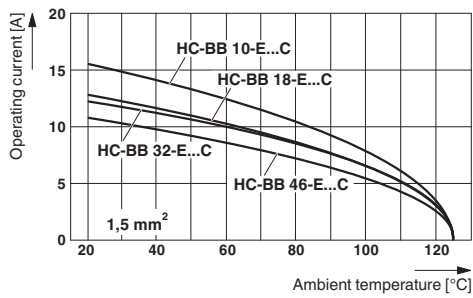
Diagram



Derating diagram: Conductor cross section 2.5 mm<sup>2</sup>

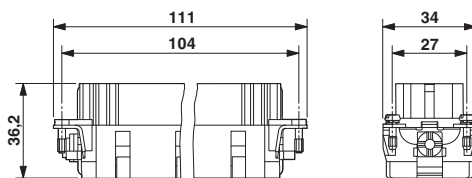
Connector pin assignment, connection side

Diagram



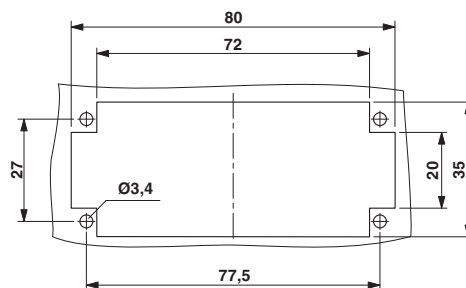
Derating diagram: Conductor cross section 1.5 mm<sup>2</sup>

Dimensioned drawing



Female insert

Dimensioned drawing



Panel cutout