Contact insert - HC-BB 46-EBUC - 1687493

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HEAVYCON female insert, BB46 series, 46-pos., crimp connection

Key commercial data

Packing unit	1 pc
GTIN	4 017918 609467
Weight per Piece (excluding packing)	77.5 g
Custom tariff number	85366990
Country of origin	Romania

Technical data

General

Note	For HC-B24 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
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 mm² ... 4 mm²
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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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	27440207

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

Approvals

CSA / UL Recognized / GOST

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Approvals

Ex Approvals

Approvals submitted

Approval details

CSA

mm²/AWG/kcmil	20-12
Nominal current IN	16 A
Nominal voltage UN	600 V

UL Recognized

GOST

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

Coding bolt - HC-CB - 1772722

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

Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

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.

Crimp contact

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

Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

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

Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

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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 mm², 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 mm², 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 mm², 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 mm², 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 mm², silver-plated

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Accessories

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

Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², 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 mm², 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 mm², 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 mm², 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 mm², gold-plated

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Crimping tool

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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...

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

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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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

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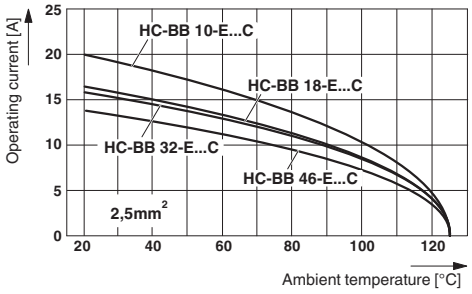
- CK2,5-ED-0,37BU AG - 1585634

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

Drawings

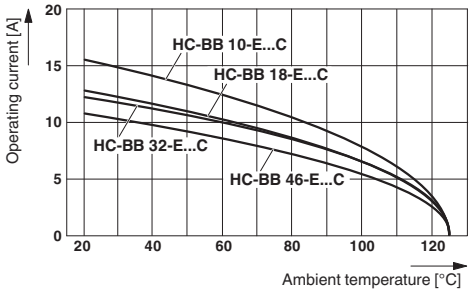
Contact insert - HC-BB 46-EBUC - 1687493

Diagram



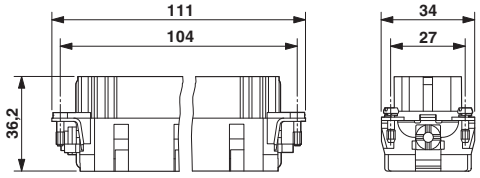
Derating diagram: Conductor cross section 2.5 mm²

Diagram



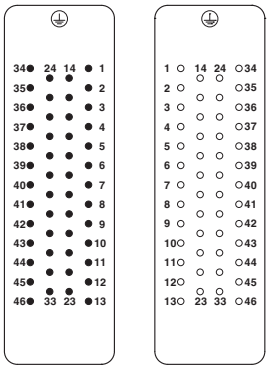
Derating diagram: Conductor cross section 1.5 mm²

Dimensioned drawing



Female insert

Schematic diagram



Connector pin assignment: Left pin - right socket

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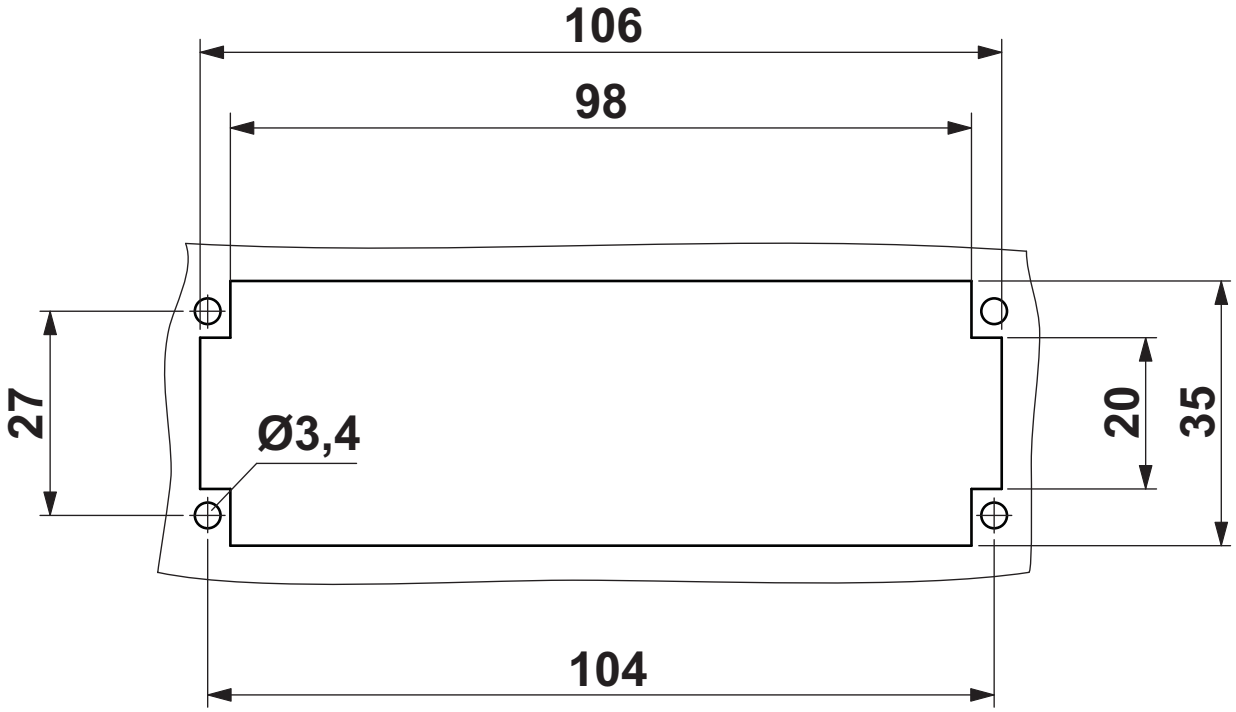
Dimensioned drawing



Panel cutout

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