PHŒNIX CONTACT

Contact insert - HC-BBB 64-ESTC - 1409901

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HEAVYCON pin insert, BBB 64 series, 64-pos., crimp connection

Key commercial data

Packing unit	1 pc
GTIN	4 046356 767217
Weight per Piece (excluding packing)	75.1 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Number of positions	64+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 $\geq$ 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)

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	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205

ETIM

ETIM 3.0	EC000796
ETIM 4.0	EC000437
ETIM 5.0	EC000437

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized

mm²/AWG/kcmil	12
Nominal voltage UN	500 V

cUL Recognized

mm²/AWG/kcmil	12
Nominal voltage UN	500 V

EAC

cULus Recognized

Accessories

Accessories

Assembly tool

Contact removal tool - CK2,5-EWZ - 1662722

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

Coding element

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Coding element - HC-CBU - 1676860

Coding socket for coding up to 16 connectors

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

Crimp contact

Crimp contact - CK2,5-ED-0,50ST AG - 1663572

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

Crimp contact - CK2,5-ED-0,75ST AG - 1663585

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

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Accessories

Crimp contact - CK2,5-ED-1,00ST AG - 1663598

Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50ST AG - 1663608

Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50ST AG - 1663611

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

Crimp contact - CK2,5-ED-3,00ST AG - 1663624

Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00ST AG - 1663637

Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

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Accessories

Crimp contact - CK2,5-ED-0,50ST AU - 1674804

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

Crimp contact - CK2,5-ED-1,00ST AU - 1674781

Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50ST AU - 1674778

Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK2,5-ED-2,50ST AU - 1674817

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

Crimp contact - CK2,5-ED-4,00ST AU - 1674794

Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², gold-plated

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

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

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

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

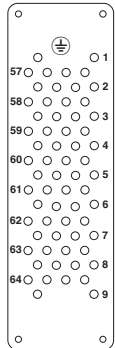- CK2,5-ED-0,37ST AG - 1585650

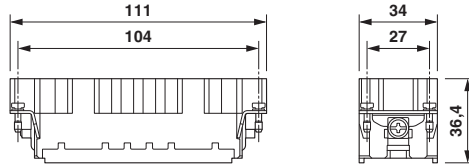- CK2,5-ED-0,37ST AU - 1585663

Drawings

Contact insert - HC-BBB 64-ESTC - 1409901

Schematic diagram

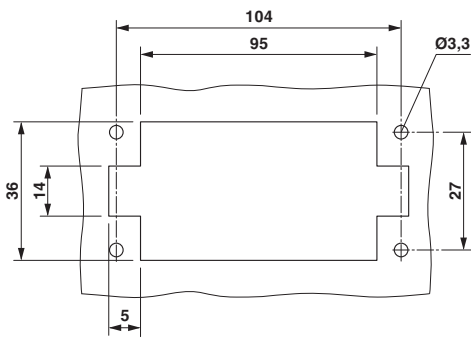Dimensioned drawing
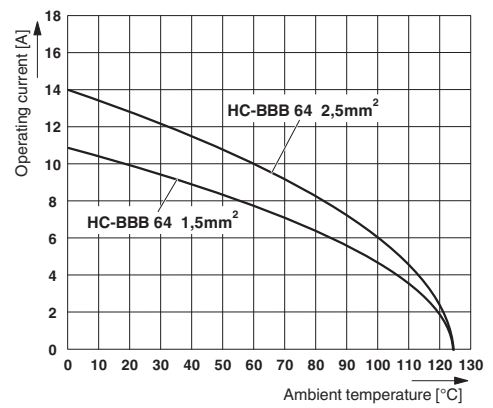
Dimensional drawing

Connector pin assignment, connection side

Dimensioned drawing

Diagram

Panel cutout

Derating diagram

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