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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact insert - HC-B 24-I-DT-M - 1648319

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HEAVYCON male insert, B24 series, 24-pos., Push-in connection



Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	121.66 GRM
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B24 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage.
Connection method	Push-in connection
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Number of positions	24+PE
Insertion/withdrawal cycles	≥ 500
Design	B24
Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm (13 mm if ferrules are used)

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Technical data

General

Assembly instructions	1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm²... 2.5 mm² with / without insulating collar, length: 10 mm. 2) SZF0-0.4x2.5 screwdriver (similar to DIN 5264).
Connection	For housing type B24. Connectors may only be operated when there is no load/the power is switched off. Coding also using the CP-HC coding profile (1686478). HC-B6../HC-B10.. for 2 coding profiles. HC-B16../HC-B24.. for 4 coding profiles. Mounting/removal of 0.5 - 0.75 mm² wires using a screwdriver.

Ambient conditions

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

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA

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	27440209

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
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Contact insert - HC-B 24-I-DT-M - 1648319

Classifications

UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	22-14
Nominal current I _N	13 A
Nominal voltage U _N	600 V

UL Recognized 	
mm²/AWG/kcmil	22-14
Nominal current I _N	13 A
Nominal voltage U _N	600 V

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Approvals

cUL Recognized 	
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cULus Recognized 	
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Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



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

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Accessories

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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

Mounting material - 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

Contact insert - HC-B 24-I-DT-M - 1648319

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

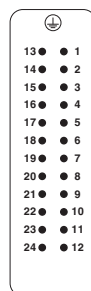
Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944



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

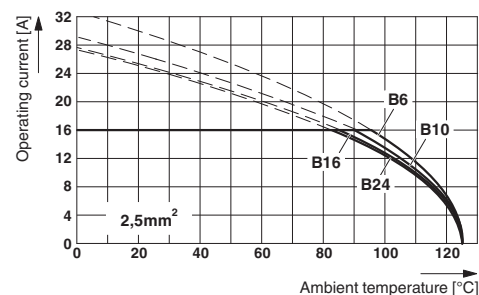
Drawings

Schematic diagram



Connector pin assignment, connection side

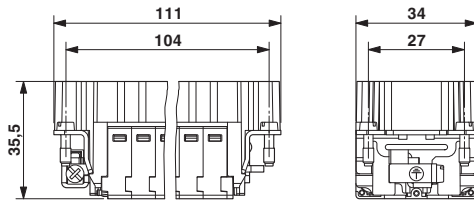
Diagram



Derating diagram: HC-B...DT series

Contact insert - HC-B 24-I-DT-M - 1648319

Dimensioned drawing



HC-B 24-ESTZ male insert

Dimensioned drawing

