

Contact insert - HC-B 24-I-DT-F-48 - 1584965

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HEAVYCON female insert, B24 series, 24-pos., Push-in connection, numbering 25 ... 48

Key commercial data

package_quantity	10
GTIN	4046356156172

Technical data

General

Note	For HEAVYCON-ADVANCE of B24 type and HEAVYCON housing of B24/B48 type Encoding using coding profile CP-HC (1686478). HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for four coding profiles. Connectors may only be actuated 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
Constructional and testing regulations	DIN EN 60664
Constructional and testing regulations	IEC 60352
Number of positions	24+PE
Insertion/withdrawal cycles	≥ 500
Design	B24
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm (13 mm if ferrules are used)
Assembly instructions	1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm ² ... 2.5 mm ² 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 mm ² wires using a screwdriver.

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

approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized /

Approval details



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approvals

Nominal voltage UN	600 V
Nominal current IN	13 A
mm ² /AWG/kcmil	22-14

UL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	13 A
mm ² /AWG/kcmil	22-14

cUL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	13 A
mm ² /AWG/kcmil	22-14

cULus Recognized 	
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accessories

Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



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accessories

HC-B-ZG - 1685327



HC-B-ZS - 1685330



Coding element

CP-HC - 1686478



HC-CBU - 1676860



HC-CB - 1772722



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accessories

HC-CST - 1676857



Plug assembly frame

HC-SMR-B24 - 1687985



Plug mounting plate

HC-SMP 150-B24-AMQ - 1660944



Docking frame

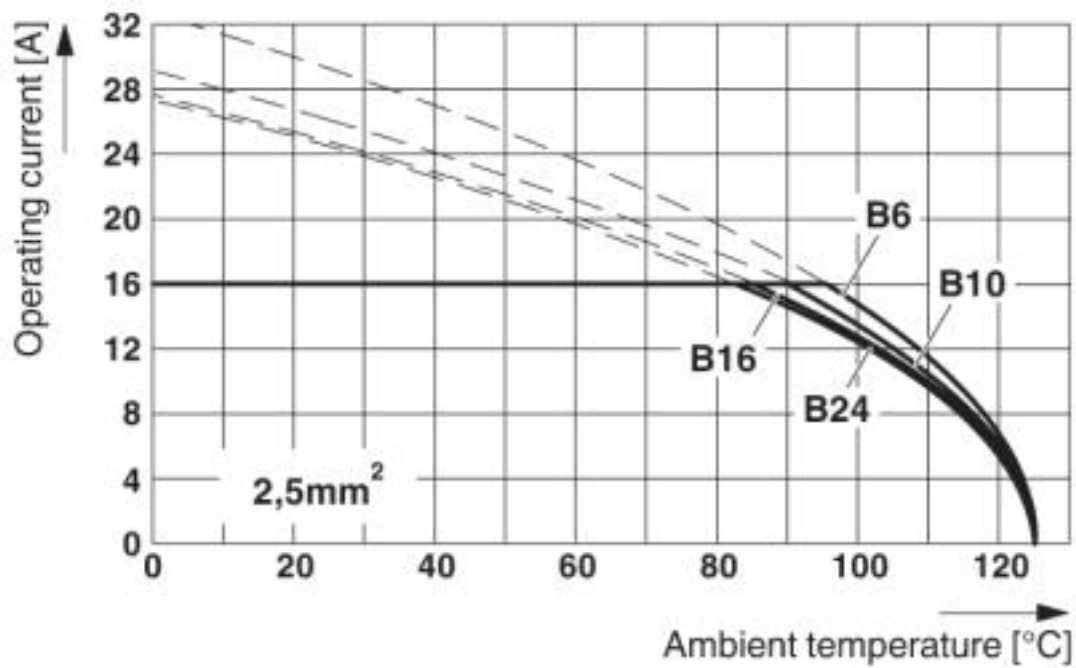
HC-B 24-ANDOCK - 1586141



Drawings

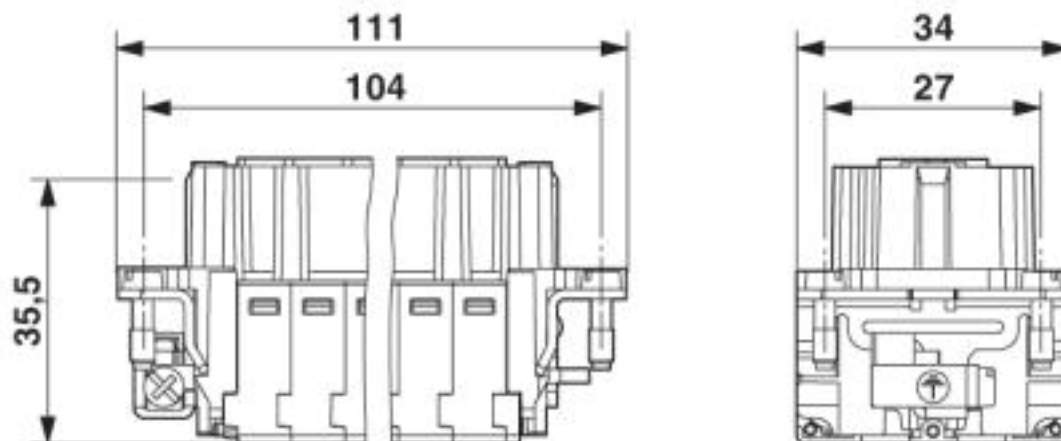
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Diagram



Derating diagram: HC-B...DT series

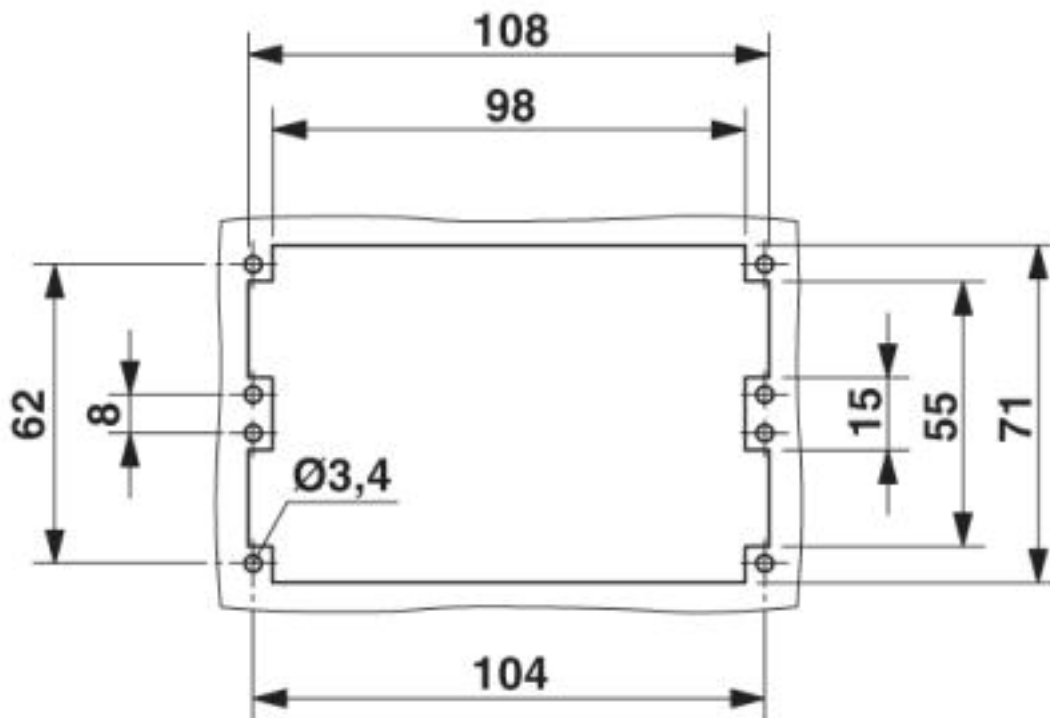
Dimensioned drawing



Female insert

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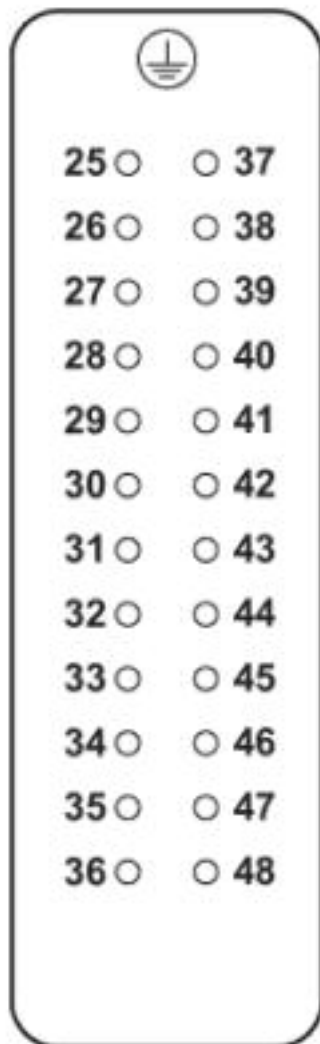
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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