

Contact insert - HC-B 16-I-DT-M - 1648254

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



HEAVYCON male insert, B16 series, 16-pos., Push-in connection

Key commercial data

package_quantity	10
GTIN	4046356092388

Technical data

General

Note	For HEAVYCON-ADVANCE housing of B16 type and HEAVYCON housing of B32 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
Constructional and testing regulations	DIN EN 60664
Constructional and testing regulations	IEC 60352
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
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)
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 housings of type B16. Connectors may be operated only when there is no load/voltage. Coding also using the CP-HC (1686478) coding profiles. HC-B6.../ HC-B10...for two coding profiles. HC-B16.../ HC-B24...for four coding profiles. Mounting/removing the 0.5 - 0.75 mm² wires using screwdriver.

Ambient conditions

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

Contact insert - HC-B 16-I-DT-M - 1648254

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



Contact insert - HC-B 16-I-DT-M - 1648254

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 	
---	--

accessories

Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



Contact insert - HC-B 16-I-DT-M - 1648254

accessories

HC-B-ZG - 1685327



HC-B-ZS - 1685330



Coding element

CP-HC - 1686478



HC-CBU - 1676860



HC-CB - 1772722



Contact insert - HC-B 16-I-DT-M - 1648254

accessories

HC-CST - 1676857



Plug assembly frame

HC-SMR-B16 - 1687972



Plug mounting plate

HC-SMP 125-B16-AMQ - 1660973



Adapter plate

HC-B 24-ADP-B 16-GY - 1660449



Docking frame

HC-B 16-ANDOCK - 1586138

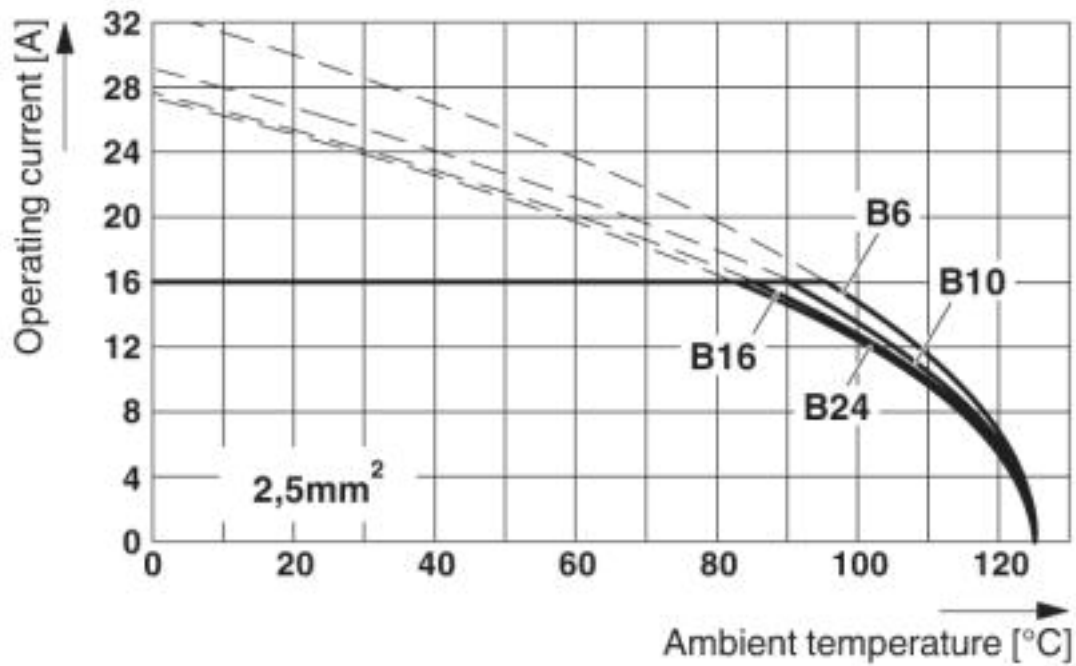


Contact insert - HC-B 16-I-DT-M - 1648254

accessories

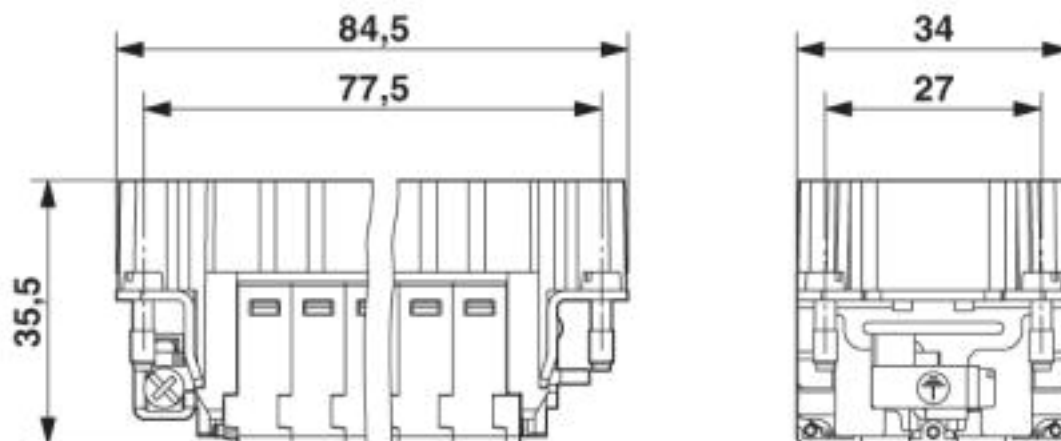
Drawings

Diagram



Derating diagram: HC-B...DT series

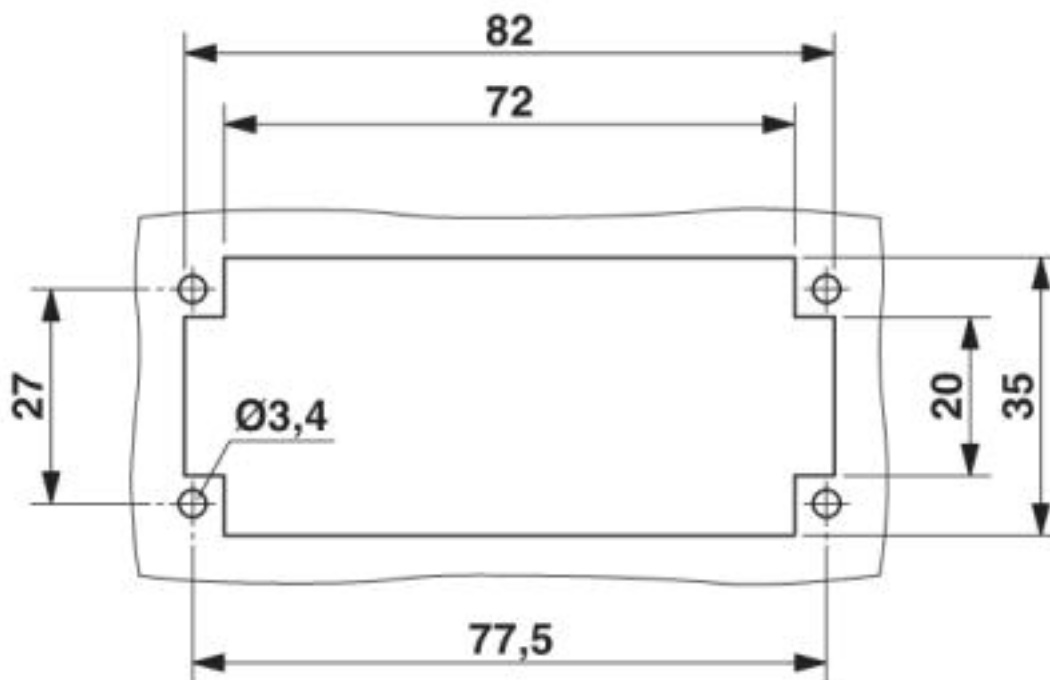
Dimensioned drawing



HC-B 16-ESTZ male insert

Contact insert - HC-B 16-I-DT-M - 1648254

Dimensioned drawing



Contact insert - HC-B 16-I-DT-M - 1648254

Schematic diagram

