

HC-B 10-I-DT-M - Contact insert

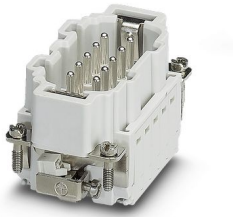
1648199

<https://www.phoenixcontact.com/us/products/1648199>



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 documentation. Our general terms of use for downloads are valid.

HEAVYCON male insert, B10 series, 10-pos., push-in connection



Commercial data

Item number	1648199
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABC
Catalog page	Page 521 (PC-2011)
GTIN	4046356092326
Weight per piece (including packing)	66.83 g
Weight per piece (excluding packing)	66.83 g
Customs tariff number	85366990
Country of origin	CN

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



Technical data

Notes

General	For HEAVYCON ADVANCE and HEAVYCON housing of B10 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.
---------	---

Mounting

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). For housing type B10. 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.
-----------------------	--

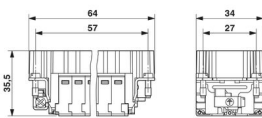
Product properties

Type	B10
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+PE
Contact numbering	1 - 10
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Height	35.5 mm
Length	64 mm
Drill hole distance, horizontal	57 mm

Connection data

Connection technology

Connection technology	Push-in connection
-----------------------	--------------------

Conductor connection

Conductor cross section	0.5 mm² ... 2.5 mm²
-------------------------	---------------------

HC-B 10-I-DT-M - Contact insert



1648199

<https://www.phoenixcontact.com/us/products/1648199>

Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm (13 mm with ferrule)

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Tests	DIN EN 61984
	DIN EN 60664
	IEC 60352

HC-B 10-I-DT-M - Contact insert

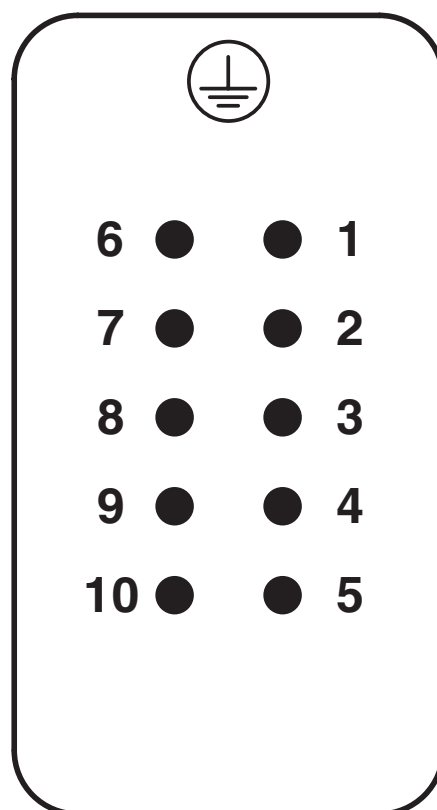
1648199

<https://www.phoenixcontact.com/us/products/1648199>



Drawings

Schematic diagram



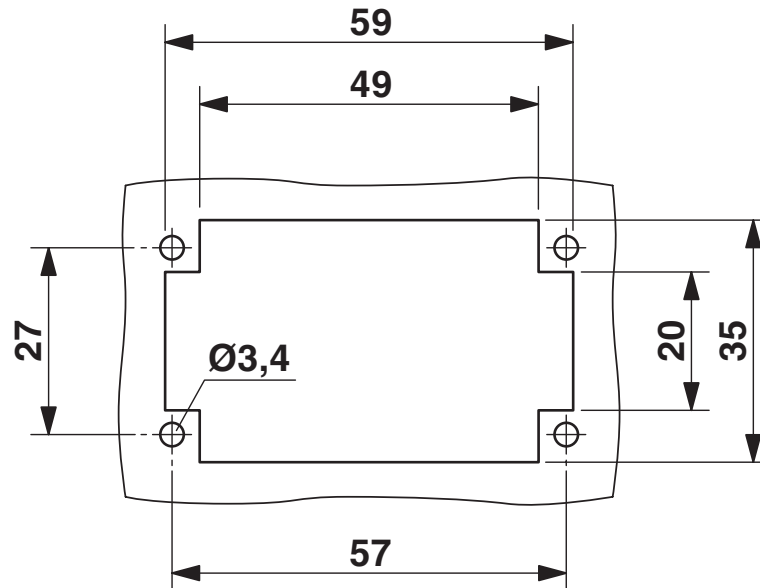
HC-B 10-I-DT-M - Contact insert

1648199

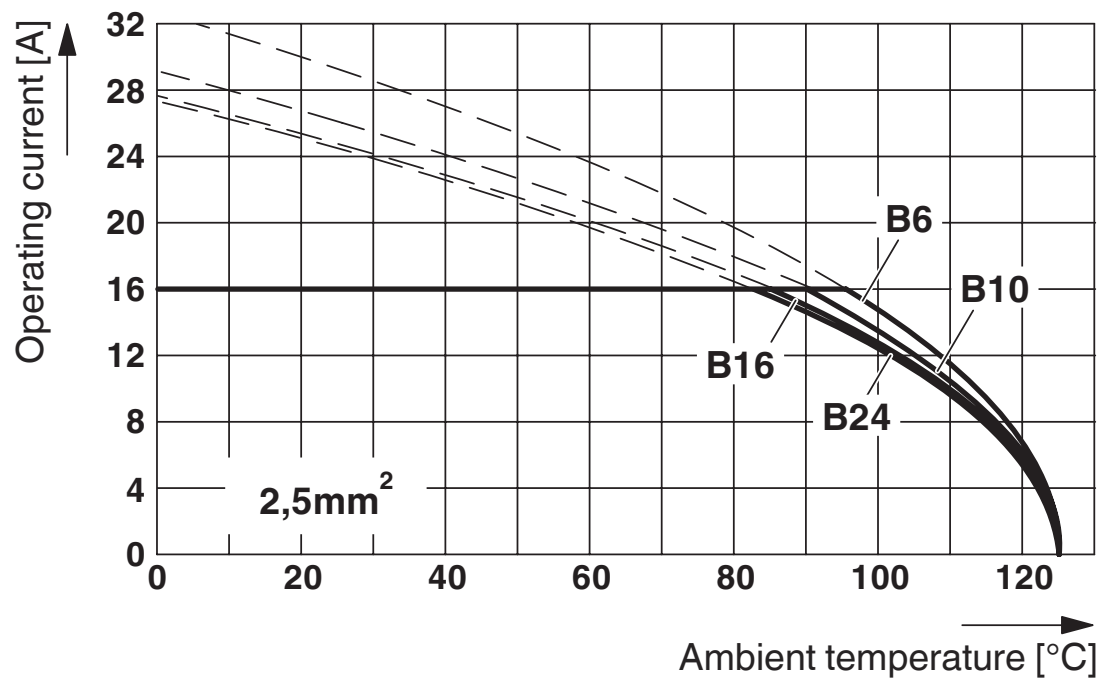
<https://www.phoenixcontact.com/us/products/1648199>



Dimensional drawing



Diagram



Derating diagram: HC-B...DT series

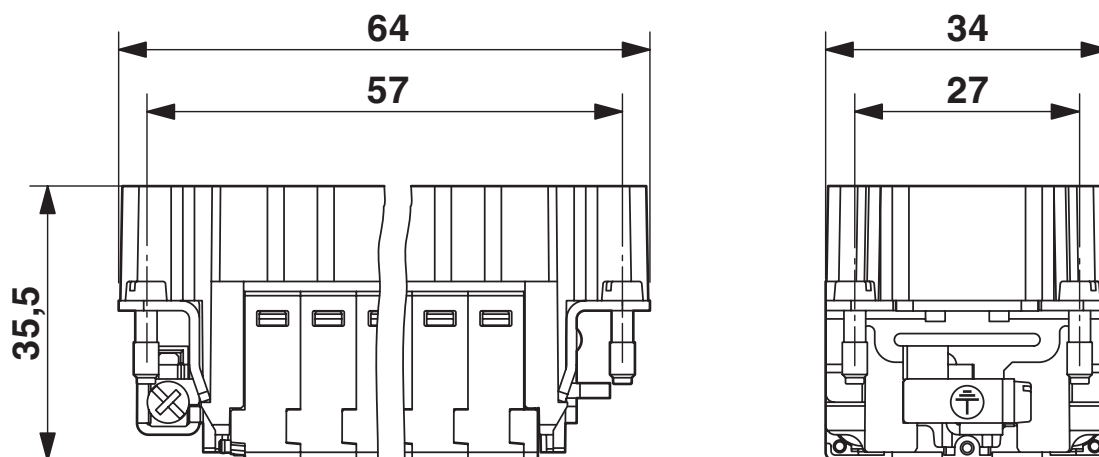
HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



Dimensional drawing



HC-B 10-ESTZ male insert

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440223

HC-B 10-I-DT-M - Contact insert



1648199

<https://www.phoenixcontact.com/us/products/1648199>

Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



Accessories

HC-B-PES - Screw

1604997

<https://www.phoenixcontact.com/us/products/1604997>

PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64



HC-B-3PE - PE multiplier

1644326

<https://www.phoenixcontact.com/us/products/1644326>

PE multiplier, for 3 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts



HC-B 10-I-DT-M - Contact insert

1648199

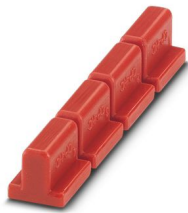
<https://www.phoenixcontact.com/us/products/1648199>



CP-HC - Coding profile

1686478

<https://www.phoenixcontact.com/us/products/1686478>



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

HC-CBU - Coding element

1676860

<https://www.phoenixcontact.com/us/products/1676860>



Coding socket for coding up to 16 connectors

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



HC-CB - Coding bolt

1772722

<https://www.phoenixcontact.com/us/products/1772722>



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

HC-B-ZG - Strain relief clamp

1685327

<https://www.phoenixcontact.com/us/products/1685327>



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



HC-B-ZS - Strain relief clamp

1685330

<https://www.phoenixcontact.com/us/products/1685330>



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/us/products/1676857>



Coding peg for coding up to 16 connectors

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



HC-SMR-B10 - DIN rail mounting frame

1687969

<https://www.phoenixcontact.com/us/products/1687969>



HEAVYCON DIN rail mounting frame, for contact inserts of type B10

HC-SMP 125-B10-AMQ - DIN rail mounting frame

1660960

<https://www.phoenixcontact.com/us/products/1660960>



HEAVYCON DIN rail mounting frame with panel mounting base with double locking latch, for contact inserts of type B10

HC-B 10-I-DT-M - Contact insert

1648199

<https://www.phoenixcontact.com/us/products/1648199>



HC-B 24-ADP-B 10-GY - Adapter plate

1660436

<https://www.phoenixcontact.com/us/products/1660436>

HEAVYCON adapter plate, type B24 on B10, for panel cutouts of type B24, gray



HC-B 10-ANDOCK - Docking frame

1586125

<https://www.phoenixcontact.com/us/products/1586125>

Docking frame for racks, for contact inserts of B10 type, with four M5 flat headed screws, rack balance x/y axis ± 1.5 mm



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com