

# HC-B 10-I-UT-F - Contact insert



1648186

<https://www.phoenixcontact.com/in/products/1648186>

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HEAVYCON female insert, B10 series, 10-pos., screw connection



## Your advantages

- For fast coding with plastic profile
- For test pin 2 mm

## Commercial Data

Item number	1648186
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF7
Product Key	BF7ABC
Catalog Page	Page 543 (C-2-2019)
GTIN	4046356092319
Weight per Piece (including packing)	66.1 g
Weight per Piece (excluding packing)	66.1 g
Customs tariff number	85366990
Country of origin	CN

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## Technical Data

### Notes

General	for flexible conductors with or without ferrules
General	Connectors may be operated only when there is no load/voltage.

### Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection method	Screw connection

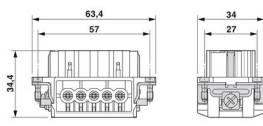
### Product properties

Type	B10
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+PE
Contact numbering	1 - 10
Application	Power
Number of connections per position	1
Contact type	turned
Series	HC-B
Screwdriver blade	0.5 x 3.5 mm

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	34 mm
Height	34.6 mm
Length	64 mm
Drill hole distance, horizontal	57 mm
Drill hole distance, vertical	27 mm

### Mechanical characteristics

Contact diameter	2.5 mm
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### Electrical properties

Min. AWG, flexible, multi-strand	20
Rated voltage (III/3)	500 V

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Rated surge voltage	6 kV
Rated current	16 A
SCCR	5 kA (UL 2237)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

## Environmental and real-life conditions

### Ambient conditions

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

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

### Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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