

# HC-BBB 40-EBUC - Contact insert

1409930

<https://www.phoenixcontact.com/us/products/1409930>



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Contact insert, number of positions: 40+PE, size: B16, number of connections per position: 1, Socket, Crimp connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>

## Commercial data

Item number	1409930
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABK
Catalog page	Page 557 (C-2-2019)
GTIN	4046356767248
Weight per piece (including packing)	70.7 g
Weight per piece (excluding packing)	70.7 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Notes

General	For HEAVYCON ADVANCE and HEAVYCON housing of B16 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply).
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
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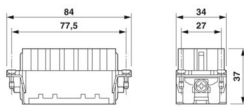
### Product properties

Type	B16
	B32
Product type	Contact insert with a fixed no. of positions
Number of positions	40
Connection profile	40+PE
Contact numbering	1 - 40
Number of connections per position	1
Contact material type	turned
Series	HC-BBB

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

### Mechanical characteristics

Minimum housing height	76 mm
Contact diameter	2.5 mm

### Connection data

#### Connection technology

Connection technology	Crimp connection
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Number of connections per position	1
Connection in acc. with standard	IEC / EN

## Conductor connection

Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Tightening torque	0.8 Nm ... 1.2 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	7.5 mm

## 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
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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement set R22 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) PC: Fire protection in rail vehicles - requirement set R23 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

### Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement set R22 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) PC: Fire protection in rail vehicles - requirement set R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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## Classifications

### ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

### ETIM

ETIM 9.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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