HC-BB46-I-CT-M - Contact insert

1584761

https://www.phoenixcontact.com/us/products/1584761

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Contact insert, number of positions: 46+PE, size: B24, number of connections per position: 1, Pin, Crimp connection, 500 V, 16 A, 0.5 mm^2 ... 4 mm^2

Your advantages

- For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)

Commercial data

Item number	1584761
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABD
Catalog page	Page 555 (C-2-2019)
GTIN	4046356149280
Weight per piece (including packing)	75 g
Weight per piece (excluding packing)	75 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	For HEAVYCON ADVANCE and HEAVYCON housing of B24 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

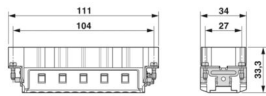|	
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Product properties

Type	B24
	B48
Product type	Contact insert with a fixed no. of positions
Number of positions	46
Connection profile	46+PE
Contact numbering	1 - 46
Number of connections per position	1
Contact material type	turned
Series	HC-BB

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	33.2 mm
Length	111 mm
Drill hole distance, horizontal	104 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	2.5 mm

Connection data

Connection technology

Connection technology	Crimp connection

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

Conductor connection

Conductor cross section	0.5 mm² ... 4 mm²
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

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 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)

Standards and regulations

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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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000438

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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