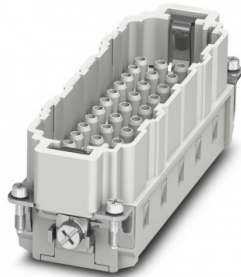


## INDUSTRIAL COMPONENT DATA

# HC-BB46-I-CT-M 1584761 PHOENIX CONTACT HEAVYCON plug insert, series: BB46, 46-pos., crimp connection, with p..

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-BB46-I-CT-M



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                           |
| MPN / Reference | HC-BB46-I-CT-M                            |
| Catalog number  | 1584761                                   |
| Category        | Contact insert for rectangular connectors |
| Minimum order   | 1 Pcs                                     |
| Document ID     | EO-7B8E52295E                             |
| Generated       | 2026-08-04                                |

## Product Overview

HEAVYCON plug insert, series: BB46, 46-pos., crimp connection, with plastic coding profile, can be coded  
Contact insert, number of poles: 46+PE, size: B24, number of connections per pole: 1, Male, Crimped connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                            |
|--------------|------------------------------------------------------------|
| Catalog path | PHOENIX CONTACT > Industrial plug-in connectors/interfaces |
|--------------|------------------------------------------------------------|

## Additional Product Information

## General

Note For HC-B24 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)

Connection method Crimp connection

Pollution degree 3

Overvoltage category III

Number of positions 46+PE

Insertion/withdrawal cycles >= 500

Type B24

Connection in acc. with standard IEC / EN

Conductor cross section 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>

Connection cross section AWG 20 ... 12

Stripping length of the individual wire 7.5 mm

Assembly instructions - Housing heights of h >= 72 mm are recommended when there is a high number of wires.

Connection Connectors may only be inserted when there is no load/the power is switched off. Contact release by means of CK2,5-EWZ (Order No. 1662722)

Ambient conditions

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

Material data

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)

Electrical characteristics

Rated voltage (III/3) 500 V

Rated surge voltage 6 kV

Rated current 16 A

ETIM for 1584761 Connectors (EC000438)

Feature Name

Feature Value

Number of power contacts (EF012216)

46

Number of control contacts (EF012217)

0

Contact insert without contacts (EF007324)

Yes

Contact type (EF001587)

Pin

Number of poles (EF001391)

46

Diameter plug-in contact (EF007320)

2.5 mm

Material connector...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-BB46-I-CT-M with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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