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**



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| 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-497E4D5097 |
| Generated | 2026-11-19 |

## 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 mm² ... 4 mm²

STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification & Catalog Path

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|---|---|
| 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 mm² ... 4 mm²
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

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-BB46-I-CT-M with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

**GLOBAL OFFICES**

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