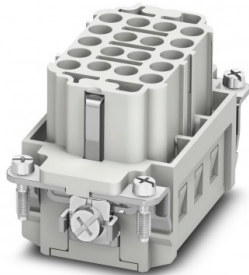


INDUSTRIAL COMPONENT DATA

HC-BB18-I-CT-F 1584729 PHOENIX CONTACT HEAVYCON socket insert, series: BB18, 18-pos., crimp connection, with..

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-BB18-I-CT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-BB18-I-CT-F
Catalog number	1584729
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-39E6B1DA51
Generated	2026-08-03

Product Overview

HEAVYCON socket insert, series: BB18, 18-pos., crimp connection, with plastic coding profile, can be coded
Contact insert, number of poles: 18+PE, size: B10, number of connections per pole: 1, Female, 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

Catalog path	PHOENIX CONTACT > Industrial plug-in connectors/interfaces
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Additional Product Information

General

Note For HC-B10 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 18+PE

Insertion/withdrawal cycles ≥ 500

Type B10

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 $h \geq 72$ 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 1584729 Connectors (EC000438)

Feature Name

Feature Value

Number of power contacts (EF012216)

18

Number of control contacts (EF012217)

0

Contact insert without contacts (EF007324)

Yes

Contact type (EF001587)

Bus

Number of poles (EF001391)

18

Diameter plug-in contact (EF007320)

2.5 mm

Material connector...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-BB18-I-CT-F with the required quantity to info@electricaonline.com or use 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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