

## INDUSTRIAL COMPONENT DATA

# HC-B 10-I-UT-F 1648186 PHOENIX CONTACT HEAVYCON female insert, B10 series, 10-pos., screw connection

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 10-I-UT-F



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                           |
| MPN / Reference | HC-B 10-I-UT-F                            |
| Catalog number  | 1648186                                   |
| Category        | Contact insert for rectangular connectors |
| Minimum order   | 1 Pcs                                     |
| Document ID     | EO-68DC0FEBFB                             |
| Generated       | 2026-08-02                                |

## Product Overview

HEAVYCON female insert, B10 series, 10-pos., screw connection

Contact insert, number of poles: 10+PE, size: B10, number of connections per pole: 1, Female, Screw connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, Application: Power

## 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 HEAVYCON ADVANCE and HEAVYCON housing of B10 type. Plug-in connections may only be operated only when there is no load/voltage.

Connection method Screw connection

Tightening torque 0.5 Nm ... 0.8 Nm

Screwdriver blade 0.5 x 3.5 mm

Pollution degree 3

Overvoltage category III

Constructional and testing regulations DIN EN 61984

DIN EN 60664

IEC 60352

Number of positions 10+PE

Insertion/withdrawal cycles >= 500

**Type B10**

Connection in acc. with standard IEC / EN

Conductor cross section 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> (Applies to stranded conductors with ferrules)

Connection cross section AWG 20 ... 14

Stripping length of the individual wire 8 mm

Assembly instructions Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles.

HC-B16../ HC-B24..for four coding profiles.

Connection For housings of type B10. Connectors may only be actuated when there is no load/voltage.

**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

Contact carrier material PA

Standards/regulations PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)

PA: Fire protection in rail vehicles - requirement set 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....

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / HC-B 10-I-UT-F 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**

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