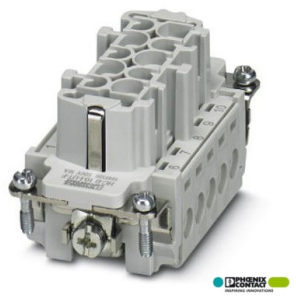
INDUSTRIAL COMPONENT DATA

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-BFF0351858
Generated	2026-11-19

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 mm² ... 2.5 mm², 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 mm² ... 2.5 mm² (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 A

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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