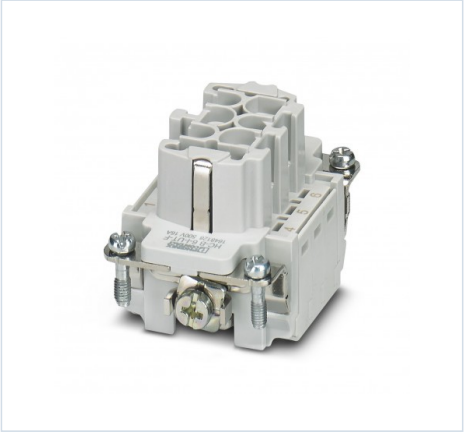
INDUSTRIAL COMPONENT DATA

HC-B 6-I-CT-F 1648160 PHOENIX CONTACT Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 6-I-CT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-B 6-I-CT-F
Catalog number	1648160
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-68FBBF1948
Generated	2026-11-18

Product Overview

Contact insert
Contact insert, number of poles: 6+PE, size: B6, number of connections per pole: 1, Female, Crimped connection, 500 V, 16 A, 0.5 mm² ... 4 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

Key Commercial Data
Orderkey 1648160
Packing unit 1 pc
Catalog page Page 535 (C-2-2017)
GTIN 4046356092289
Weight per Piece (excluding packing) 39.620 g
Custom tariff number 85366990
Country of origin CN (China)
General
Note For HEAVYCON ADVANCE and HEAVYCON housing of B6 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply).
Connectors may be operated only when there is no load/voltage.
Connection method Crimp connection
Number of connections per position 1

Degree of pollution 3
Overvoltage category III
Number of positions 6+PE
Insertion/withdrawal cycles >= 500
Size B6
Contact numbering 1 - 6
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 To ensure correct use, installation in housing with IP54 protection or better is required
Connection For housing type B6. Connectors may only be inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted.
Ambient conditions
Degree of protection (IP) IP20
Ambient temperature (operation) -40 °C ... 125 °C (including heating up of contacts)
Material data
Contact material Copper alloy
Contact surface material Ag (alternatively Au)
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....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 6-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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