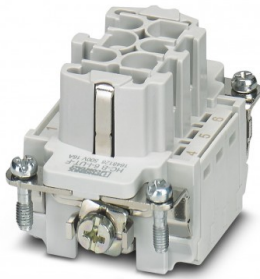


INDUSTRIAL COMPONENT DATA

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-9F0923FB6F
Generated	2026-08-05

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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