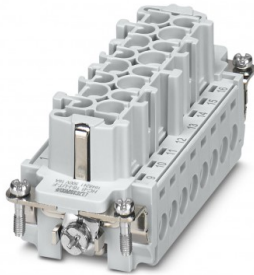


INDUSTRIAL COMPONENT DATA

HC-B 16-I-UT-F 1648241 PHOENIX CONTACT HEAVYCON female insert, B16 series, 16-pos., screw connection

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 16-I-UT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-B 16-I-UT-F
Catalog number	1648241
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-47E38FD49C
Generated	2026-08-05

Product Overview

HEAVYCON female insert, B16 series, 16-pos., screw connection

Contact insert, number of poles: 16+PE, size: B16, number of connections per pole: 1, Female, Screw connection, 500 V, 20 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 B16 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 16+PE

Insertion/withdrawal cycles >= 500

Type B16

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 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

ETIM for 1648241 Connect...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 16-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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