INDUSTRIAL COMPONENT DATA

# HC-B16-I-PT-F 1407731 PHOENIX CONTACT HEAVYCON socket insert, B16 series, 16 + PE-pos., push-in connection

**Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B16-I-PT-F**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | HC-B16-I-PT-F |
| Catalog number | 1407731 |
| Category | Contact insert for rectangular connectors |
| Minimum order | 1 Pcs |
| Document ID | EO-C6974AA7C4 |
| Generated | 2026-11-19 |

## Product Overview

HEAVYCON socket insert, B16 series, 16 + PE-pos., push-in connection
Contact insert, number of poles: 16+PE, size: B16, number of connections per pole: 1, Female, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², Application: Power
Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 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

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|---|---|
| Catalog path | PHOENIX CONTACT > Industrial plug-in connectors/interfaces |

## Additional Product Information

Technical dataNotesGeneral only use flexible conductors with ferrules
General Connectors may be operated only when there is no load/voltage.
MountingAssembly note To ensure correct use, installation in housing with IP54 protection or better is required
Product propertiesProduct type Contact insert with a fixed no. of positions
Series HC-B
Application Power
Type B16
B32
Number of positions 16
Connection profile 16+PE
Contact numbering 1 - 16

Number of connections per position 1
Contact material type rolled
Data management status
Article revision 08
Insulation characteristics
Overvoltage category III
Degree of pollution 3
DimensionsDimensional drawing
Width 34 mm
Height 37 mm
Length 84 mm
Drill hole distance, horizontal 77.5 mm
Drill hole distance, vertical 27 mm
Mechanical characteristics
Contact diameter 2.5 mm
Connection dataConnection technology
Connection technology Push-in connection
Number of connections per position 1
Conductor connection
Conductor cross section 0.14 mm² ... 2.5 mm²
Connection cross section AWG 26 ... 14
Tightening torque 0.8 Nm ... 1.2 Nm (PE connection)
0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length 8 mm ... 10 mm
Electrical propertiesRated voltage (III/3) 500 V
Rated surge voltage 6 kV
Rated current 16 A (power contacts)
SCCR 5 kA (UL 2237)
Mechanical propertiesMechanical data
Insertion/withdrawal cycles >= 500
Material specificationsFlammability rating according to UL 94 V0
Contact material Copper alloy
Con...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B16-I-PT-F with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

**GLOBAL OFFICES**

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