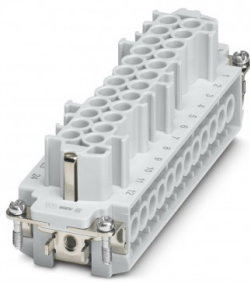


## INDUSTRIAL COMPONENT DATA

## HC-B 24-I-UT-F-48 1584949 PHOENIX CONTACT Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 24-I-UT-F-48



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                           |
| MPN / Reference | HC-B 24-I-UT-F-48                         |
| Catalog number  | 1584949                                   |
| Category        | Contact insert for rectangular connectors |
| Minimum order   | 1 Pcs                                     |
| Document ID     | EO-119DEC60FC                             |
| Generated       | 2026-08-05                                |

## Product Overview

Contact insert

Contact insert, number of poles: 24+PE, size: B24, Female, Screw connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>,

Application: Power

Contact insert, number of positions: 24+PE, size: B24, Socket, Screw connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>,  
application: Power

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification &amp; Catalog Path

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

## Additional Product Information

Technical dataNotesGeneral for flexible conductors with or without 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 B24

B48

Number of positions 24

Connection profile 24+PE

Contact numbering 25 - 48

Contact material type turned

Screwdriver blade 0.5 x 3.5 mm  
Data management status  
Article revision 19  
Insulation characteristics  
Overvoltage category III  
Degree of pollution 3  
DimensionsDimensional drawing  
Width 34 mm  
Height 34.6 mm  
Length 111 mm  
Drill hole distance, horizontal 104 mm  
Drill hole distance, vertical 27 mm  
Mechanical characteristics  
Contact diameter 2.5 mm  
Connection dataConnection technology  
Connection technology Screw connection  
Connection in acc. with standard IEC / EN  
Conductor connection  
Conductor cross section 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>  
Connection cross section AWG 20 ... 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)  
0.5 Nm ... 0.8 Nm  
Stripping length of the individual wire 8 mm  
Electrical propertiesRated voltage (III/3) 500 V  
Rated surge voltage 6 kV  
Rated current 16 A  
SCCR 5 kA (UL 2237)  
Mechanical propertiesMechanical data  
Insertion/withdrawal cycles >= 500  
Material specificationsFlammability rating according to UL 94 V0  
Contact materi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 24-I-UT-F-48 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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