INDUSTRIAL COMPONENT DATA

HC-B 24-I-UT-F 1648306 PHOENIX CONTACT HEAVYCON female insert, B24 series, 24-pos., screw connection

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-B 24-I-UT-F
Catalog number	1648306
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-682446D564
Generated	2026-11-19

Product Overview

HEAVYCON female insert, B24 series, 24-pos., screw connection
Contact insert, number of poles: 24+PE, size: B24, number of connections per pole: 1, Female, Screw connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², Application: Power
Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Socket, Screw connection, 500 V, 16 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

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 1 - 24

Number of connections per position 1
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
Number of connections per position 1
Connection in acc. with standard IEC / EN
Conductor connection
Conductor cross section 0.5 mm² ... 2.5 mm²
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
Materi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 24-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.