

INDUSTRIAL COMPONENT DATA

HC-B 16-ESTQ-2,5-32-OLOGO 1605658 PHOENIX CONTACT

Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 16-ESTQ-2,5-32-OLOGO



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-B 16-ESTQ-2,5-32-OLOGO
Catalog number	1605658
Category	Contact insert for rectangular connectors
Minimum order	10 Pcs
Document ID	EO-1641E22065
Generated	2026-08-05

Product Overview

Contact insert

Contact insert, number of poles: 16+PE, size: B16, QUICKON connection, 500 V, 16 A, 0.34 mm² ... 2.5 mm²

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
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Additional Product Information

Technical dataNotesGeneral 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

Type B16

B32

Number of positions 16

Connection profile 16+PE

Contact numbering 17 - 32

Insulation characteristics

Overvoltage category III

Degree of pollution 3

DimensionsMechanical characteristics

Contact diameter 2.5 mm

Connection dataConnection technology

Connection technology QUICKON connection

QUICKON connection

Conductor connection

Conductor cross section 0.34 mm² ... 2.5 mm² (Litz wire structure VDE 0295, Class 1 - 5/litz wire diameter $\geq$ 0.2 mm)

Connection cross section AWG 22 ... 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)

Electrical properties Rated voltage (III/3) 500 V

500 V

Rated surge voltage 6 kV

6 kV

Rated current 16 A

16 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles $\geq$ 500

Material specifications Flammability rating according to UL 94 V0

Environmental and real-life conditions Ambient conditions

Ambient temperature (operation) -40 °C ... 125 °C

ETIM for 1605658 Connectors (EC000438)

Feature Name

Feature Value

Number of power contacts (EF012216)

16

Number of control contacts (EF012217)

0

Contact insert without contacts (EF007324)

No

Number of poles (EF001391)

16

Diameter plug-in contact (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 16-ESTQ-2,5-32-OLOGO 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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