

## INDUSTRIAL COMPONENT DATA

# HC-B 16-ESTQ-2,5-32 1605653 PHOENIX CONTACT Contact insert

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



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                           |
| MPN / Reference | HC-B 16-ESTQ-2,5-32                       |
| Catalog number  | 1605653                                   |
| Category        | Contact insert for rectangular connectors |
| Minimum order   | 10 Pcs                                    |
| Document ID     | EO-9BB4E6F6E3                             |
| Generated       | 2026-08-04                                |

## Product Overview

Contact insert

Contact insert, number of poles: 16+PE, size: B16, Male, QUICKON connection, 500 V, 16 A, 0.34 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## 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 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

Type B16

B32

Number of positions 16

Connection profile 16+PE

Contact numbering 17 - 32

Contact material type rolled

Data management status

Article revision 07

Insulation characteristics

Overvoltage category III

Degree of pollution 3

DimensionsDimensional drawing

Width 34 mm

Height 35 mm

Length 84.5 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 QUICKON connection

Conductor connection

Conductor cross section 0.34 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> (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 propertiesRated voltage (III/3) 500 V

500 V

Rated surge voltage 6 kV

6 kV

Rated current 16 A

16 A

Mechanical propertiesMechanical data

Insertion/withdrawal cycles  $\geq$  500

Material specificationsMaterial Wire insulation PVC / PE

Flammability rating according to UL 94 V0

Contact material Copper alloy

Contact surface material Ag

Contact carrier material PA

Standards/regulations PA: Fire pr...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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