

**INDUSTRIAL COMPONENT DATA**

# HC-B 6-ESTQ-2,5-OLOGO 1605616 PHOENIX CONTACT

## Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-B 6-ESTQ-2,5-OLOGO



|                 |                                           |
|-----------------|-------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                           |
| MPN / Reference | HC-B 6-ESTQ-2,5-OLOGO                     |
| Catalog number  | 1605616                                   |
| Category        | Contact insert for rectangular connectors |
| Minimum order   | 10 Pcs                                    |
| Document ID     | EO-919A07E989                             |
| Generated       | 2026-08-05                                |

## Product Overview

Contact insert

Contact insert, size: B6, 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**

## 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 B6

Number of positions 6

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 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 properties Rated voltage (III/3) 500 V

500 V

Rated surge voltage 6 kV

6 kV

Rated current 16 A

16 A

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 1605616 Connectors (EC000438)

Feature Name

Feature Value

Number of power contacts (EF012216)

6

Number of control contacts (EF012217)

0

Contact insert without contacts (EF007324)

No

Number of poles (EF001391)

6

Diameter plug-in contact (EF007320)

2.5 mm

Rated current I<sub>n</sub> (EF008250)

16 A

Ambient temperature (EF002386)

125 °C

Operating temperature (EF002393)

-40 °C

Ra...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-B 6-ESTQ-2,5-OLOGO 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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