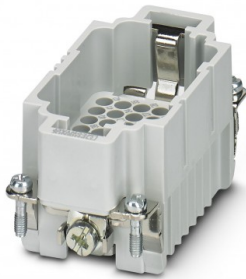


INDUSTRIAL COMPONENT DATA

HC-DD42-I-CT-M 1584059 PHOENIX CONTACT Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-DD42-I-CT-M



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-DD42-I-CT-M
Catalog number	1584059
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-A504C37200
Generated	2026-08-01

Product Overview

Contact insert

Contact insert, number of poles: 42+PE, size: B10, number of connections per pole: 1, Male, Crimped connection, 250 V, 10 A, 0.14 mm² ... 2.5 mm², application: Signal

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 housing HC-B10

General Connectors may be operated only when there is no load/voltage.

General It is imperative that guide pins (HC-CST) and sockets (HC-CBU) are used to prevent tip collision due to misalignment.

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-DD

Application Signal

Type B10

Number of positions 42

Connection profile 42+PE

Contact numbering 1 - 42

Number of connections per position 1

Contact material type turned

rolled

Data management status

Article revision 13

Insulation characteristics

Overvoltage category III

Degree of pollution 3

DimensionsDimensional drawing

Width 34 mm

Height 32.5 mm

Length 64 mm

Drill hole distance, horizontal 57 mm

Drill hole distance, vertical 27 mm

Mechanical characteristics

Minimum housing height 72 mm

Contact diameter 1.6 mm

Connection dataConnection technology

Connection technology Crimp connection

Number of connections per position 1

Connection in acc. with standard IEC / EN

Conductor connection

Conductor cross section 0.14 mm² ... 2.5 mm²

Connection cross section AWG 26 ... 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)

Stripping length of the individual wire 8 mm (0.14 mm² ... 1.5 mm²)

6 mm (2.5 mm²)

Electrical propertiesRated voltage (III/3) 250 V

Rated surge voltage 4 k...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-DD42-I-CT-M 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.