INDUSTRIAL COMPONENT DATA

HC-Q03-I-CT-F 1419897 PHOENIX CONTACT Contact insert

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-Q03-I-CT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-Q03-I-CT-F
Catalog number	1419897
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-D8927A2BB9
Generated	2026-11-19

Product Overview

Contact insert
Contact insert, number of poles: 3+PE, size: D7, number of connections per pole: 1, Female, Crimped connection, 400 V, 40 A, 1.5 mm² ... 6 mm², Application: Power
Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Socket, Crimp connection, 400 V, 40 A, 1.5 mm2 ... 6 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 HC-D7 housing, crimp contacts CK 4,0. Crimp contacts not included in scope of supply.
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-HS
Application Power
Type D7
Number of positions 3
Connection profile 3+PE
Contact numbering 1 - 2
Number of connections per position 1
Contact material type turned

Data management status
Article revision 04
Insulation characteristics
Overvoltage category III
Degree of pollution 3
DimensionsDimensional drawing
Width 21 mm
Height 34.8 mm
Length 21 mm
Mechanical characteristics
Contact diameter 4 mm
Connection dataConnection technology
Connection technology Crimp connection
Crimp connection (PE contact)
Number of connections per position 1
Connection in acc. with standard IEC / EN
Conductor connection
Conductor cross section 1.5 mm² ... 6 mm²
Connection cross section AWG 16 ... 10
Tightening torque 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire 9 mm (2,5 mm² ... 6,0 mm²)
11 mm (for 10 mm²)
Electrical propertiesRated voltage (III/3) 400 V
Rated surge voltage 6 kV
Rated current 40 A
Mechanical propertiesMechanical data
Insertion/withdrawal cycles >= 500
Material specificationsFlammability rating according to UL 94 V0
Contact material Co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-Q03-I-CT-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.