

INDUSTRIAL COMPONENT DATA

HC-D 7-I-CT-F 1584347 PHOENIX CONTACT HEAVYCON female insert, D7 series, 7-pos., crimp connection, with IP65..

Brand: PHOENIX CONTACT | Manufacturer Part Number: HC-D 7-I-CT-F



Manufacturer	PHOENIX CONTACT
MPN / Reference	HC-D 7-I-CT-F
Catalog number	1584347
Category	Contact insert for rectangular connectors
Minimum order	1 Pcs
Document ID	EO-3FC7256061
Generated	2026-08-02

Product Overview

HEAVYCON female insert, D7 series, 7-pos., crimp connection, with IP65 sealing screw

Contact insert, number of poles: 7+PE, size: D7, number of connections per pole: 1, Female, Crimped connection, 250 V, 10 A, 0.14 mm² ... 2.5 mm², only suitable for plastic housings

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

General

Note For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)

Connection method Crimp connection

Pollution degree 3

Overvoltage category III

Constructional and testing regulations DIN VDE 0627/86

DIN VDE 0110/02.79

DIN VDE 0110-1/04.97

IEC 60664-1, DIN IEC 60512

IEC 60352

Number of positions 7+PE

Insertion/withdrawal cycles >= 500

Type D7

Connection in acc. with standard IEC / EN

Conductor cross section 0.14 mm² ... 2.5 mm²

Connection cross section AWG 26 ... 14

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

6 mm (2.5 mm²)

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

Connection The inserts may only be used in plastic housing at voltages > 42 V, as it is not possible to establish a connection between the protective conductor and housing. Product already includes one IP65 sealing screw.

Ambient conditions

Ambient temperature (operation) -40 °C ... 125 °C (including heating up of contacts)

Material data

Flammability rating according to UL 94 V0

Contact material Copper alloy

Contact surface material Ag (alternatively Au)

Contact carrier material PC

Standards/regulations PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Electrical characteristics

Rated voltage (III/3) 250 V

Rated surge voltage 4 kV

Rated current 10 A

ETIM for 1584347 Connectors (EC000438)

Feature Name

Feature Value

Number of power contacts (EF012216...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HC-D 7-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.