

Contact insert - HC-D 7-ESTC-R - 1679456

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON plug insert, D7 series, 7-pos., crimp connection, rolled contacts, with IP65 sealing screw

RoHS

Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 163686
GTIN	4017918163686

Technical data

General

Note	For HC-D7 housing, crimp contacts CK1,6-ER (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 7
Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	3 mm +0,5 mm (0,14 mm ² ... 0,5 mm ²)
	3.5 mm +1 (0.5 mm ² ... 1.5 mm ²)
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	The inserts may only be used in plastic housings at voltages >42 V, since it is not possible to connect the protective conductor and the housing with each other.

Ambient conditions

Contact insert - HC-D 7-ESTC-R - 1679456

Technical data

Ambient conditions

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

Material data

Seal material	NBR
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PBTP

Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

Standards and Regulations

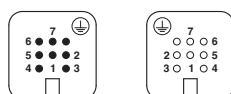
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

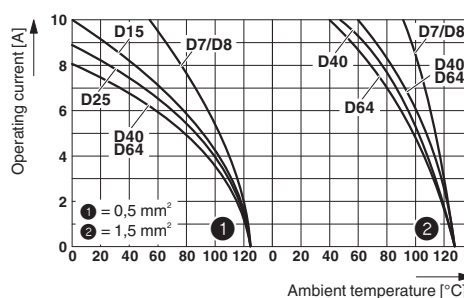
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram



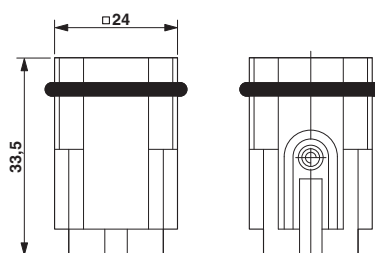
Diagram



Derating diagram: HC-D...C series

Contact insert - HC-D 7-ESTC-R - 1679456

Dimensional drawing



Male insert

Approvals

Approvals

Approvals

CSA / UL Recognized / GL / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	File 703204
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm²/AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm²/AWG/kcmil		14	

GL		http://exchange.dnv.com/tari/	6196614 HH
----	---	---	------------

Contact insert - HC-D 7-ESTC-R - 1679456

Approvals

EAC



RU C-
DE.AI30.B.01102

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>