

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

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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	14.9 GRM
Custom tariff number	85366990
Country of origin	Czech Republic

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
Pollution degree	3
Surge voltage 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
Design	D7
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm² ... 1.5 mm²
Connection cross section AWG	26 ... 16

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

Technical data

General

Stripping length of the individual wire	3 mm +0,5 (0.14 mm² ... 0.5 mm²)
	3.5 mm +1 (0.5 mm² ... 1.5 mm²)
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

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

Inflammability class according to UL 94	V0
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

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

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

Classifications

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

CSA / UL Recognized / GOST

Ex Approvals

Approvals submitted

Approval details

CSA 	
Nominal current I _N	10 A
Nominal voltage U _N	600 V

UL Recognized 	
Nominal current I _N	10 A
Nominal voltage U _N	600 V

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

Approvals



Accessories

Accessories

Crimp contact

Crimp contact - CK1,6-ER-0,50ST AG - 1884092



Rolled 1.6 crimp contact, individual male contact, core diameter 0.5 mm²

Crimp contact - CK1,6-ER-1,50ST AG - 1884089



Rolled male contact, single contacts, silver-plated, 0.5 mm² ... 1.5 mm²

Crimp contact - CK1,6-ER-2,50ST AG - 1884102

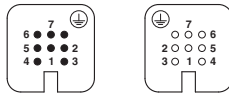


Rolled male contact, single contacts, silver-plated, 1.5 mm² ... 2.5 mm²

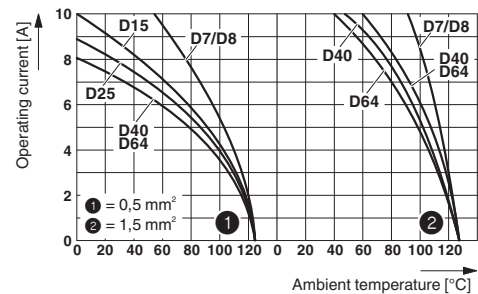
Drawings

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Schematic diagram

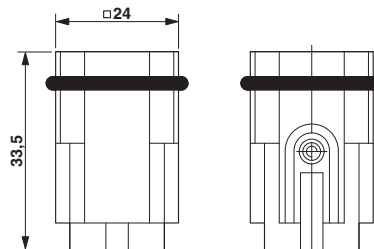


Diagram



Derating diagram: HC-D...C series

Dimensioned drawing



Male insert