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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



## Technical data

#### General

Stripping length of the individual wire	3 mm +0,5 (0.14 mm <sup>2</sup> 0.5 mm <sup>2</sup> )		
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)

### 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



### Classifications

### UNSPSC

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

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Approvals

CSA / UL Recognized / GOST

Ex Approvals

Approvals submitted

### Approval details

CSA 10		
Nominal current IN	10 A	
Nominal voltage UN	600 V	

UL Recognized <b>\$\)</b>	
Nominal current IN	10 A
Nominal voltage UN	600 V



### Approvals

GOST 🕑

### 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  $\text{mm}^2\ ...\ 1.5\ \text{mm}^2$ 

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



Rolled male contact, single contacts, silver-plated, 1.5  $\text{mm}^2\ ...\ 2.5\ \text{mm}^2$ 

## **Drawings**

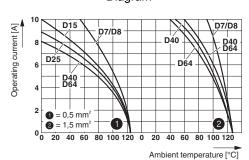


### Schematic diagram



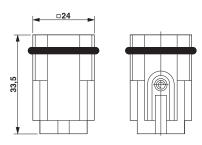


### Diagram



Derating diagram: HC-D...C series

### Dimensioned drawing



Male insert

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