

HC-D 7-ESTC-COD - Contact insert



1408575

<https://www.phoenixcontact.com/nl/products/1408575>

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HEAVYCON male insert, D7 series, 7-pos. + PE, crimp connection with coding option

Commercial data

Item number	1408575
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	AF7ABE
GTIN	4046356619226
Weight per piece (including packing)	10 g
Weight per piece (excluding packing)	10 g
Country of origin	DE

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Technical data

Notes

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

Assembly note	Connectors may be operated only when there is no load/voltage. Four different coding possibilities to prevent incorrect plugging.
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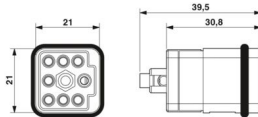
Product properties

Series	HC-D
Type	D7
Number of positions	7
Connection profile	7+PE
Contact numbering	1 - 7
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Height	39.5 mm

Mechanical characteristics

Contact diameter	1.6 mm
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Connection data

Connection technology

Connection technology	Crimp connection Screw connection (PE connection)
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross-section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm 6 mm (2.5 mm ²)

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Electrical properties

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	10 A
Test voltage	6 kV

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

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

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
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

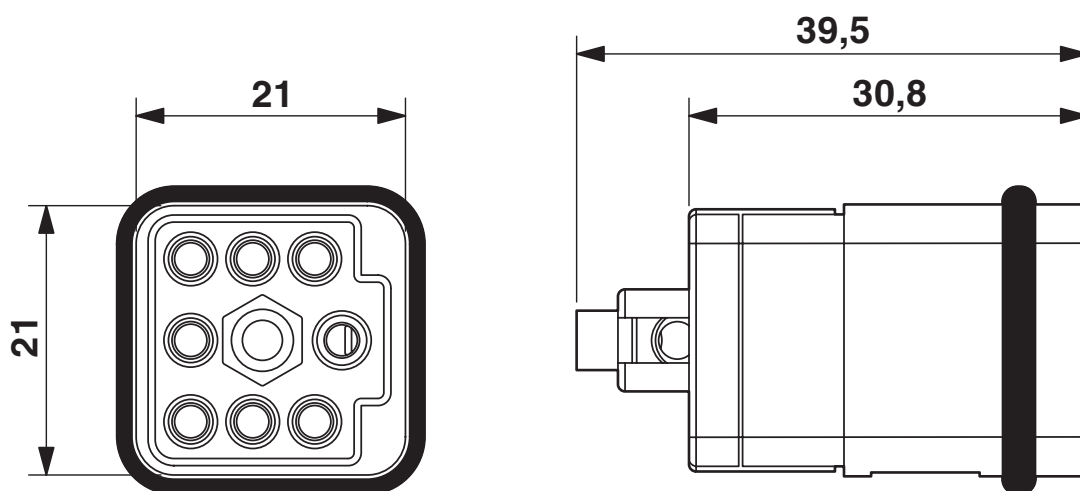
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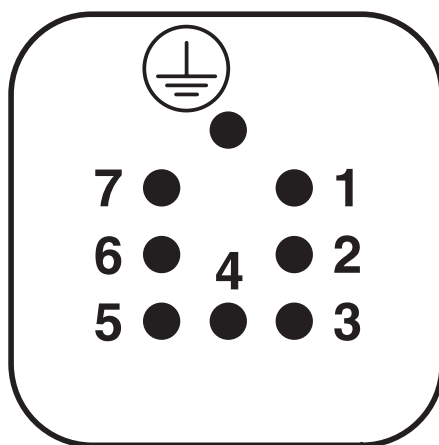
Drawings

Dimensional drawing

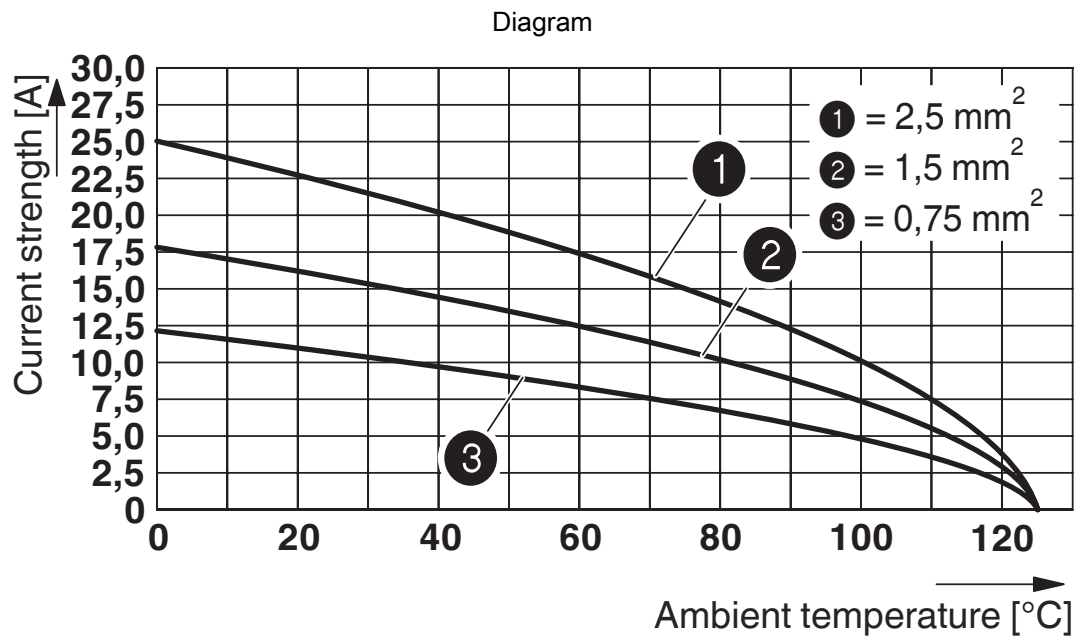


Male insert (turned contacts)

Schematic diagram



Connector pin assignment (connection side)



Derating diagram: HC-D...C series

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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