

HC-D 7-ESTC - Contact insert



1772243

<https://www.phoenixcontact.com/us/products/1772243>

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



Commercial data

Item number	1772243
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABE
Catalog page	Page 438 (PC-2009)
GTIN	4017918036911
Weight per piece (including packing)	10.15 g
Weight per piece (excluding packing)	9.19 g
Customs tariff number	85366990
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. The inserts may only be used in plastic housings at voltages >42 V.
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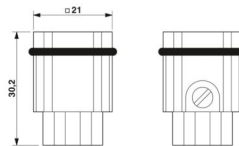
Product properties

Product type	Contact insert with a fixed no. of positions
Type	D7
Number of positions	7
Connection profile	7+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	21 mm
Height	30.2 mm
Length	21 mm

Connection data

Connection technology

Connection technology	Crimp 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)

Electrical properties

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

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Rated current	10 A
Test voltage	4 kV AC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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

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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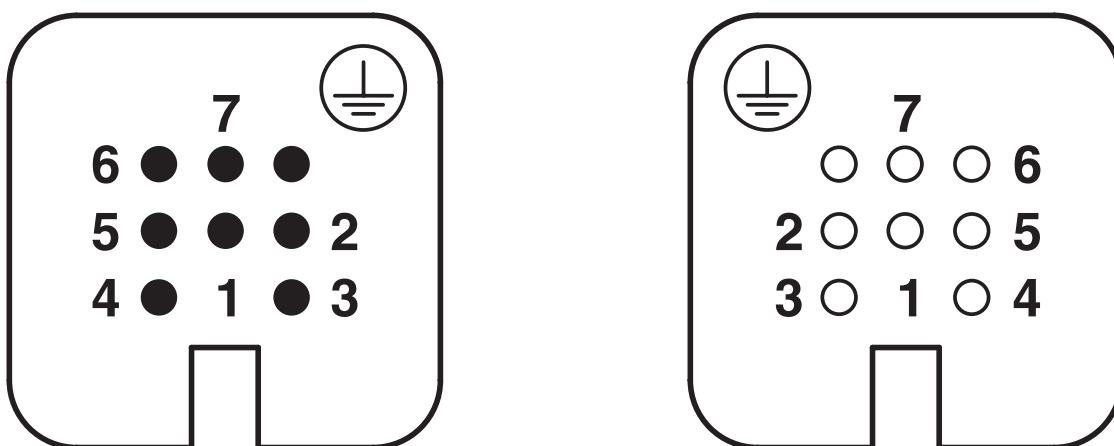
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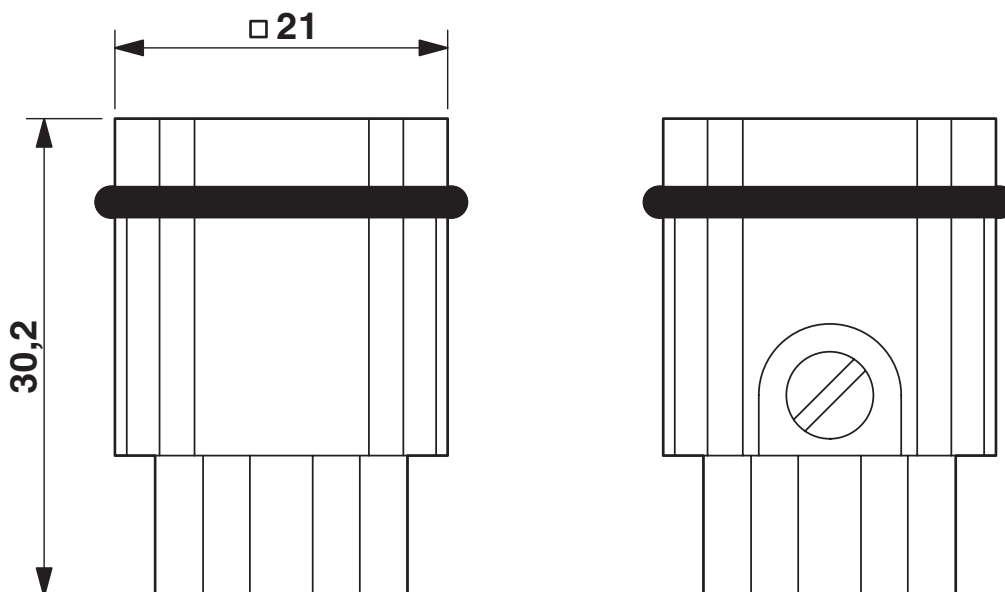
Drawings

Schematic diagram



Connector pin assignment (connection side)

Dimensional drawing

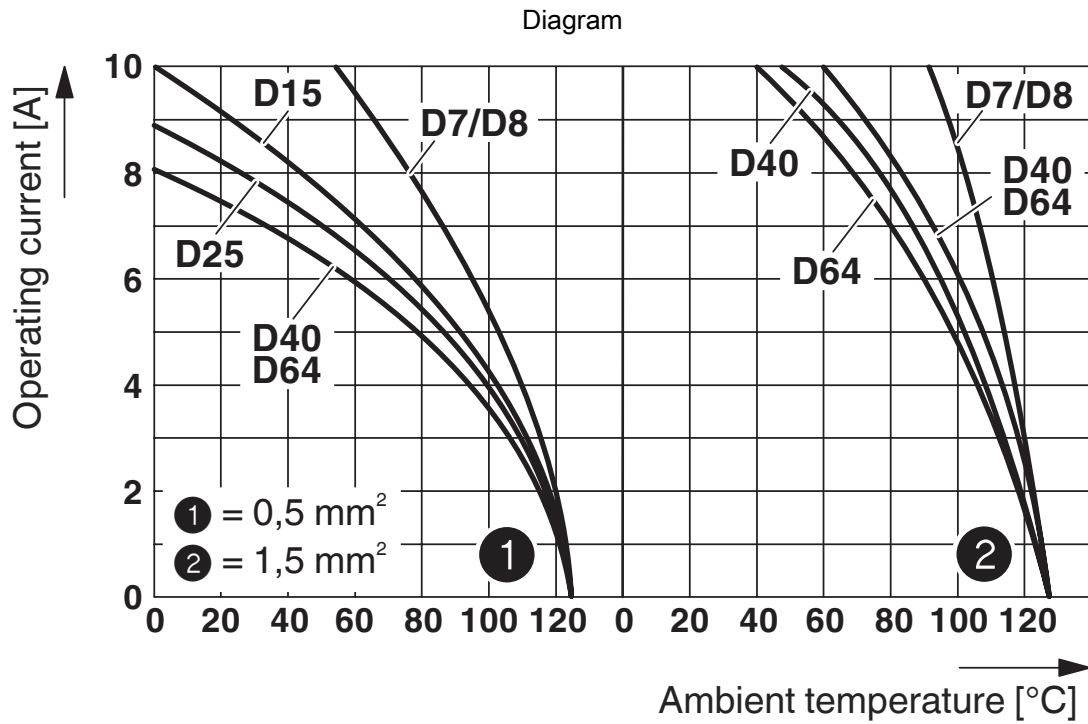


Male insert (turned contacts)

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Derating diagram: HC-D...C series

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440205

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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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