

HC-D 15-EBUC - Contact insert

1772311

<https://www.phoenixcontact.com/us/products/1772311>



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HEAVYCON female insert, D15 series, 15-pos., crimp connection

Commercial data

Item number	1772311
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABE
Catalog page	Page 439 (PC-2009)
GTIN	4017918036980
Weight per piece (including packing)	39.45 g
Weight per piece (excluding packing)	32.96 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HC-D15 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. - Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.
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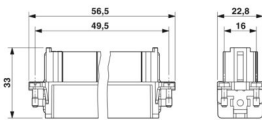
Product properties

Product type	Contact insert with a fixed no. of positions
Type	D15
Number of positions	15
Connection profile	15+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	22.8 mm
Height	33 mm
Length	56.5 mm
Drill hole distance, vertical	16 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
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Rated surge voltage	4 kV
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
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

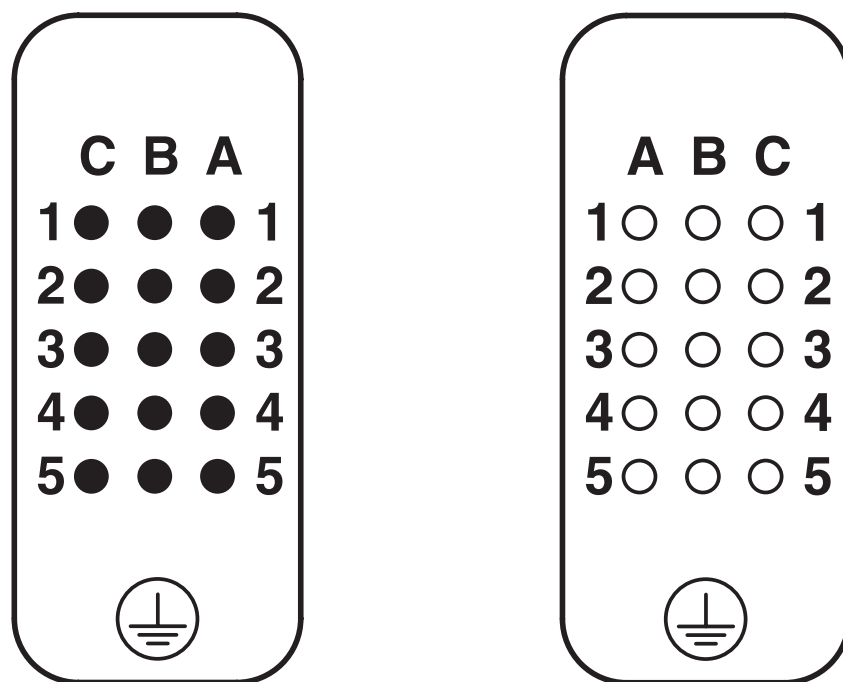
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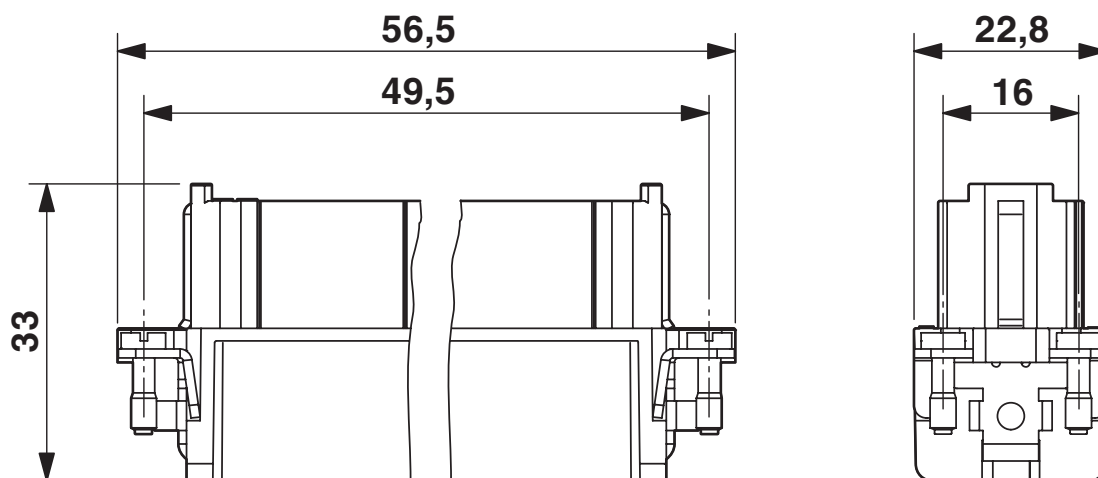
Drawings

Schematic diagram



Connector pin assignment, connection side: left pin, right socket

Dimensional drawing



Female insert (turned contacts)

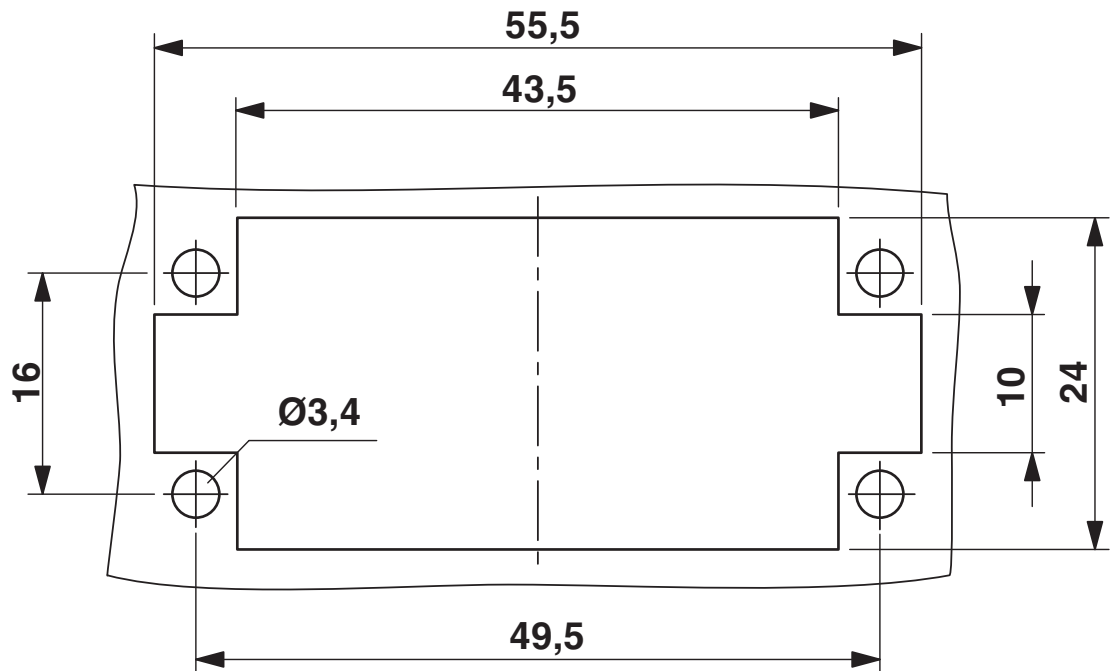
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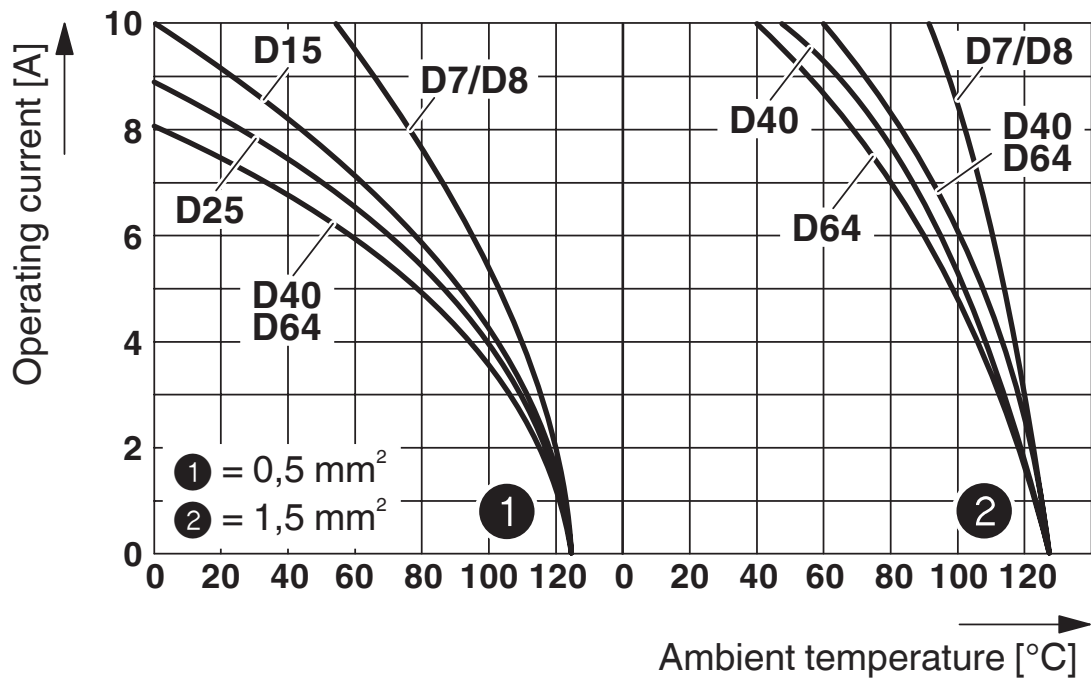
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Dimensional drawing



Mounting cutout

Diagram



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
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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Accessories

HC-A-PES - Screw

1584868

<https://www.phoenixcontact.com/us/products/1584868>



PE screw for contact inserts of A series

HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/us/products/1676857>



Coding peg for coding up to 16 connectors

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HC-CBU - Coding element

1676860

<https://www.phoenixcontact.com/us/products/1676860>



Coding socket for coding up to 16 connectors

HC-CB - Coding bolt

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Coding pin, prevents mismatching of up to six connectors with an identical number of positions

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HC-SMR-D15 - DIN rail mounting frame

1604010

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HEAVYCON DIN rail mounting frame, for contact inserts of type D15

CK1,6-ED-BB - Dummy socket

1645888

<https://www.phoenixcontact.com/us/products/1645888>



Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com