

HC-D 25-ESTC-R - Contact insert



1679472

<https://www.phoenixcontact.com/us/products/1679472>

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HEAVYCON male insert, D25 series, 25-pos., crimp connection, rolled contacts



Commercial data

Item number	1679472
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABE
GTIN	4017918163709
Weight per piece (including packing)	39.59 g
Weight per piece (excluding packing)	39.59 g
Customs tariff number	85366990
Country of origin	CZ

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Technical data

Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
	Connectors may be plugged in only when there is no load/voltage.

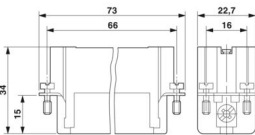
Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-D
Type	D25 D50
Number of positions	25
Connection profile	25+PE
Contact material type	rolled

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	22.7 mm
Height	34 mm
Length	73 mm
Drill hole distance, horizontal	66 mm
Drill hole distance, vertical	16 mm

Mechanical characteristics

Contact diameter	1.6 mm
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Connection data

Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross-section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	3 mm +0,5 mm (0.14 mm ² ... 0.5 mm ²)

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	3.5 mm +1 mm (0.5 mm ² ... 1.5 mm ²)
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Electrical properties

Rated voltage (III/3)	250 V
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	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

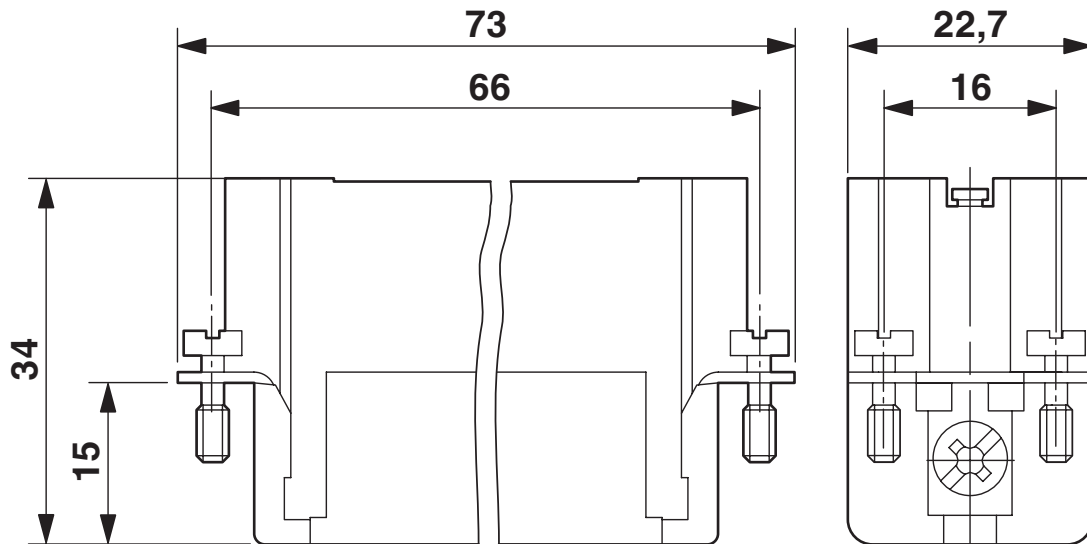
HC-D 25-ESTC-R - Contact insert

1679472

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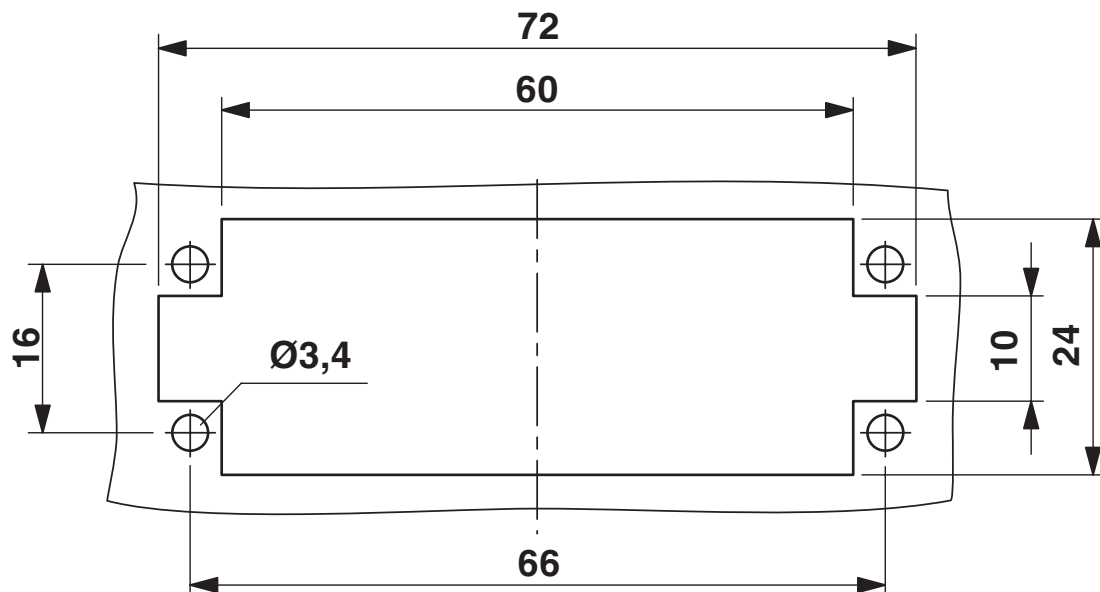
Drawings

Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout when used without housing

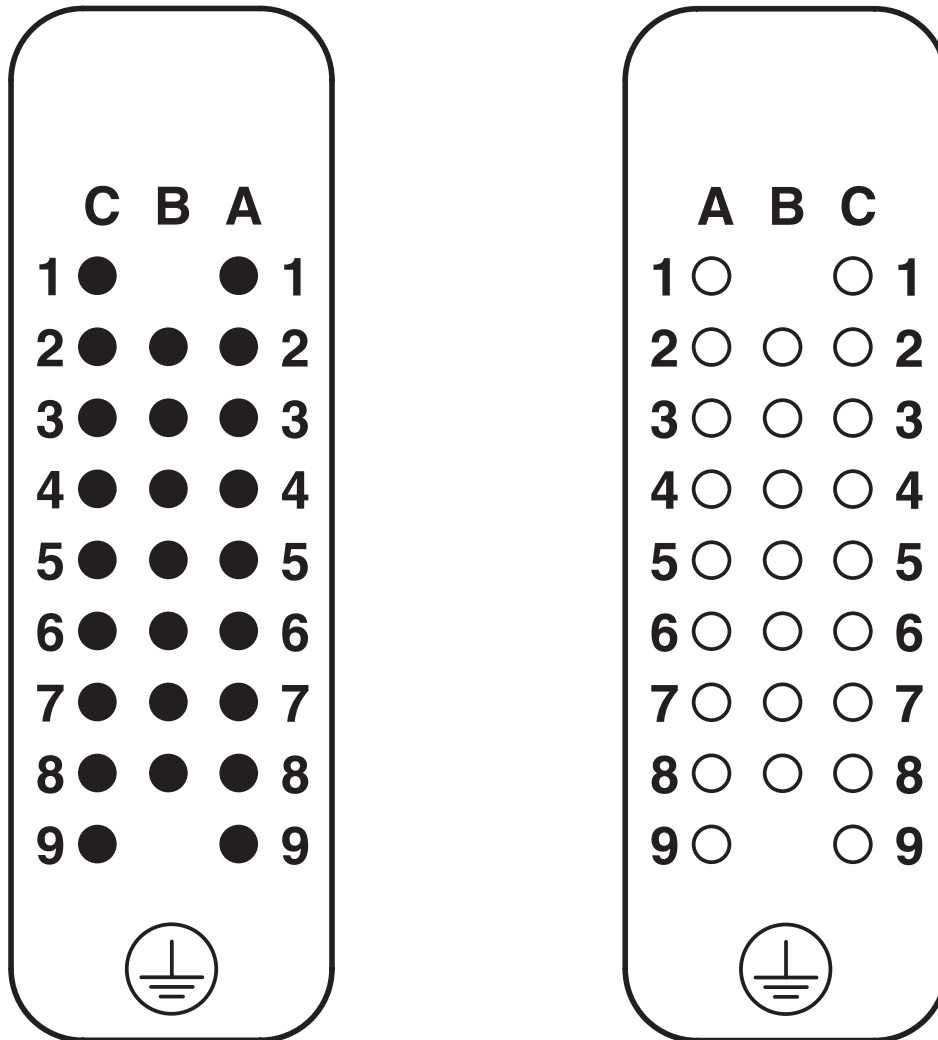
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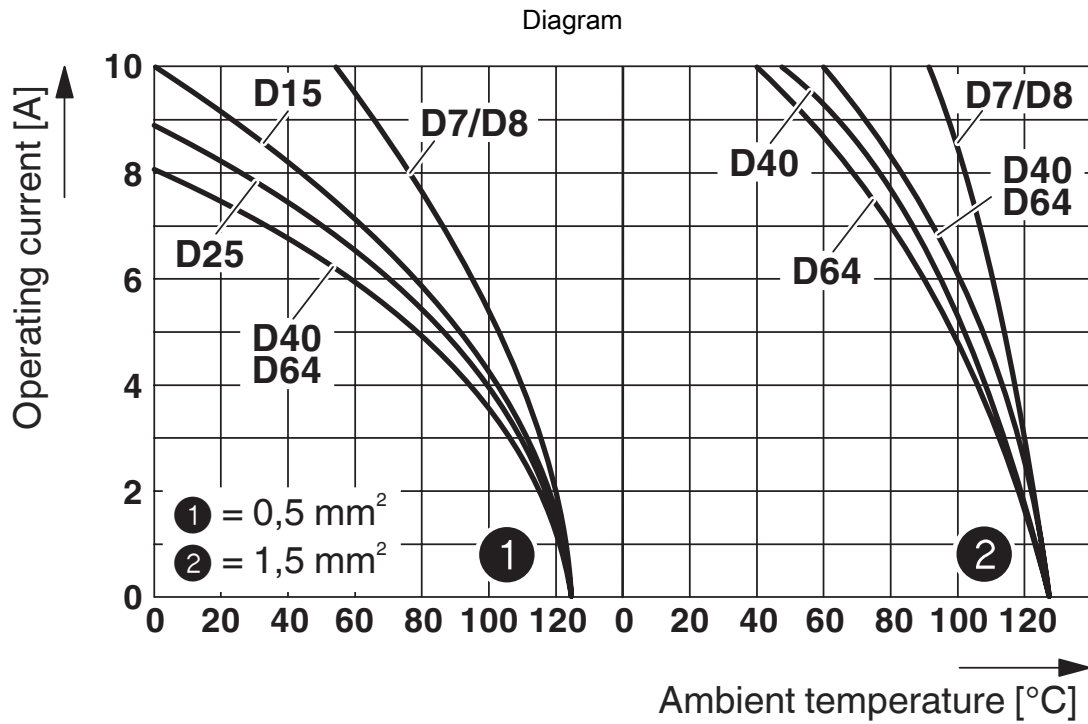
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Schematic diagram



Connector pin assignment connection side: Left pin; right socket



Derating diagram: Series HC-D...C-R

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

UNSPSC

UNSPSC 21.0	39121522
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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