

# HC-A 4-ESTS - Contact insert



1774911

<https://www.phoenixcontact.com/us/products/1774911>

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HEAVYCON male insert, A4 series, 4-pos., screw connection without wire protection, with IP65 sealing screw

## Commercial data

Item number	1774911
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABB
Catalog page	Page 405 (C-4-2013)
GTIN	4017918122249
Weight per piece (including packing)	16.9 g
Weight per piece (excluding packing)	15.23 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	for housing HC-D7
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### Mounting

Assembly instructions	Connectors may be operated only when there is no load/voltage. Already includes one IP65 sealing screw
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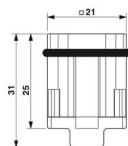
### Product properties

Type	D7
Product type	Contact insert with a fixed no. of positions
Number of positions	4
Connection profile	4+PE
Contact numbering	1 - 4
Series	HC-A

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Height	30 mm

### Connection data

#### Connection technology

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

#### Conductor connection

Conductor cross section	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (applies to stranded conductors with ferrules)
Connection cross section AWG	20 ... 16
Tightening torque	0.25 Nm
Stripping length of the individual wire	5 mm

### Electrical properties

Rated voltage (III/3)	230 V (Conductor-PE) 400 V (Conductor-Conductor)
Rated voltage for power contacts	230/400 V

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Rated surge voltage	4 kV
	4 kV
Rated current	16 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	NBR
Contact material	Copper alloy
Contact surface material	Ag
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	IEC 61984:2008
	IEC 60664-1:2007
	IEC 60664-1, DIN IEC 60512
Tests	IEC 61984:2008
	IEC 60664-1:2007
	IEC 60664-1, DIN IEC 60512

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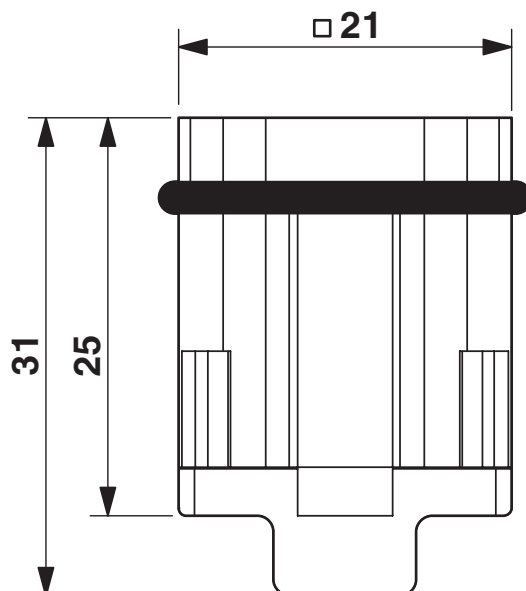
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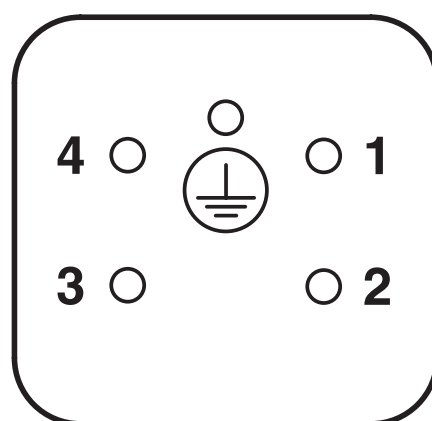
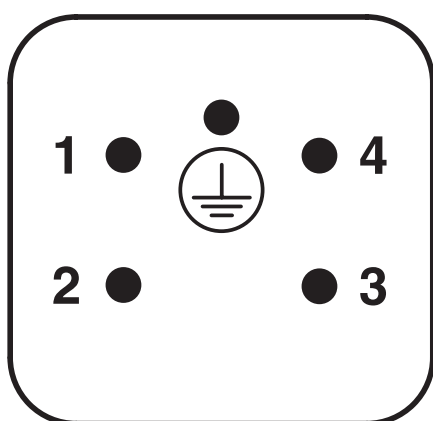
## Drawings

Dimensional drawing

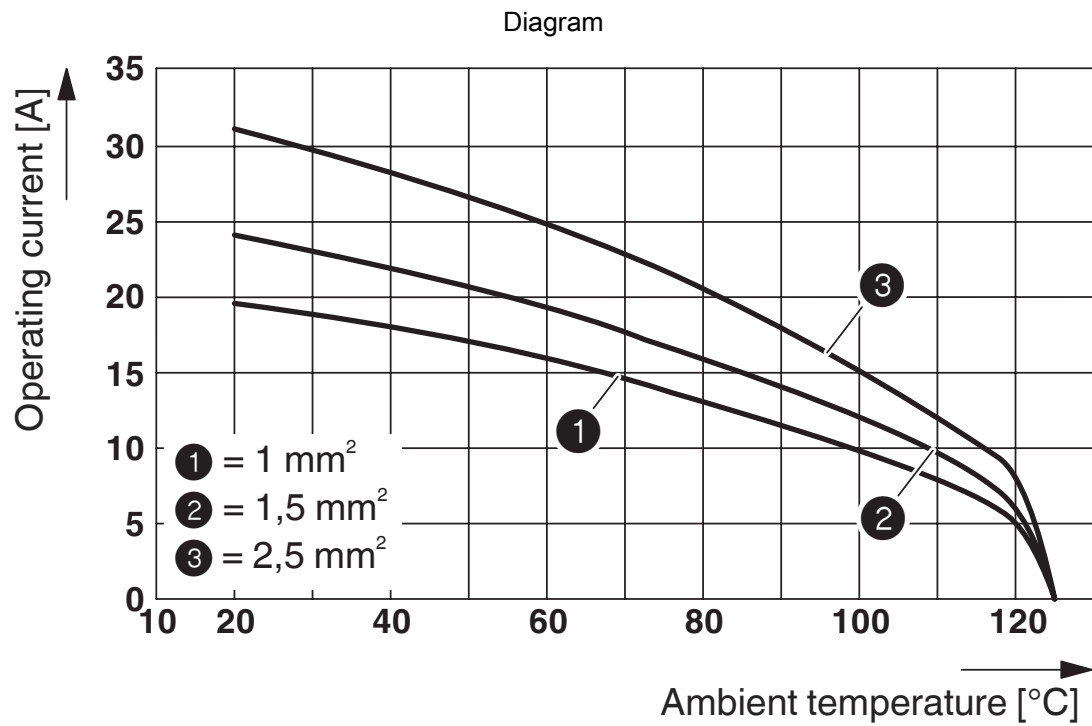


Male insert

Schematic diagram



Connector pin assignment connection side: Left pin; right socket



Derating diagram: Series HC-A 3-E..S / HC-A 4-E..S

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## Classifications

### ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440223

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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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