

# HC-A 3-EBUS - Contact insert

1773093

<https://www.phoenixcontact.com/us/products/1773093>

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HEAVYCON female insert, A3 series, 3-pos., screw connection without wire protection



## Commercial data

Item number	1773093
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABB
GTIN	4017918122294
Weight per piece (including packing)	16.22 g
Weight per piece (excluding packing)	16.22 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Assembly note	Connectors may be operated only when there is no load/voltage.
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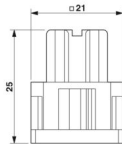
### Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-A
Type	D7
Number of positions	3
Connection profile	3+PE
Contact numbering	1 - 3

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Height	25 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
Rated surge voltage	4 kV
Rated current	16 A

### Mechanical properties

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## 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
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

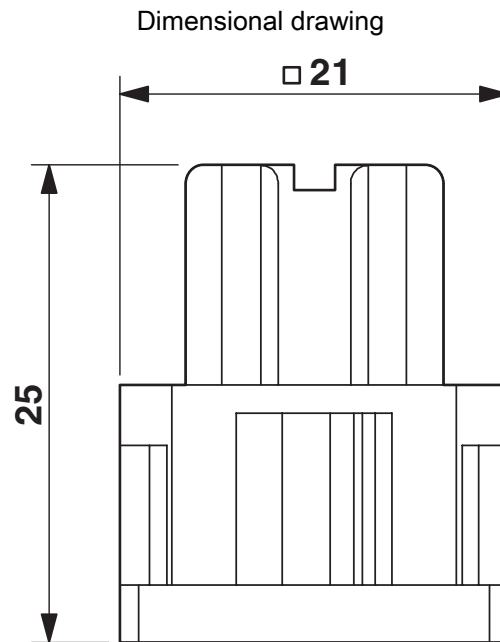
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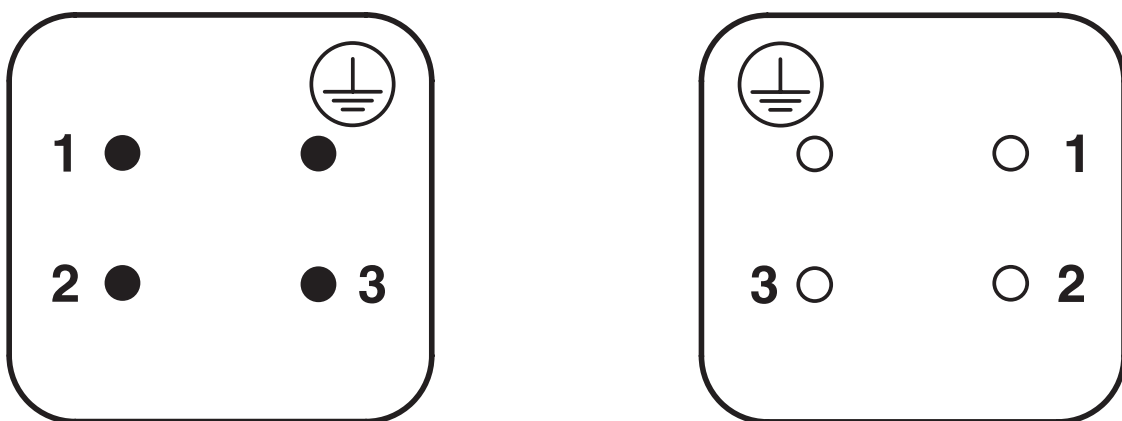


## Drawings



Female insert

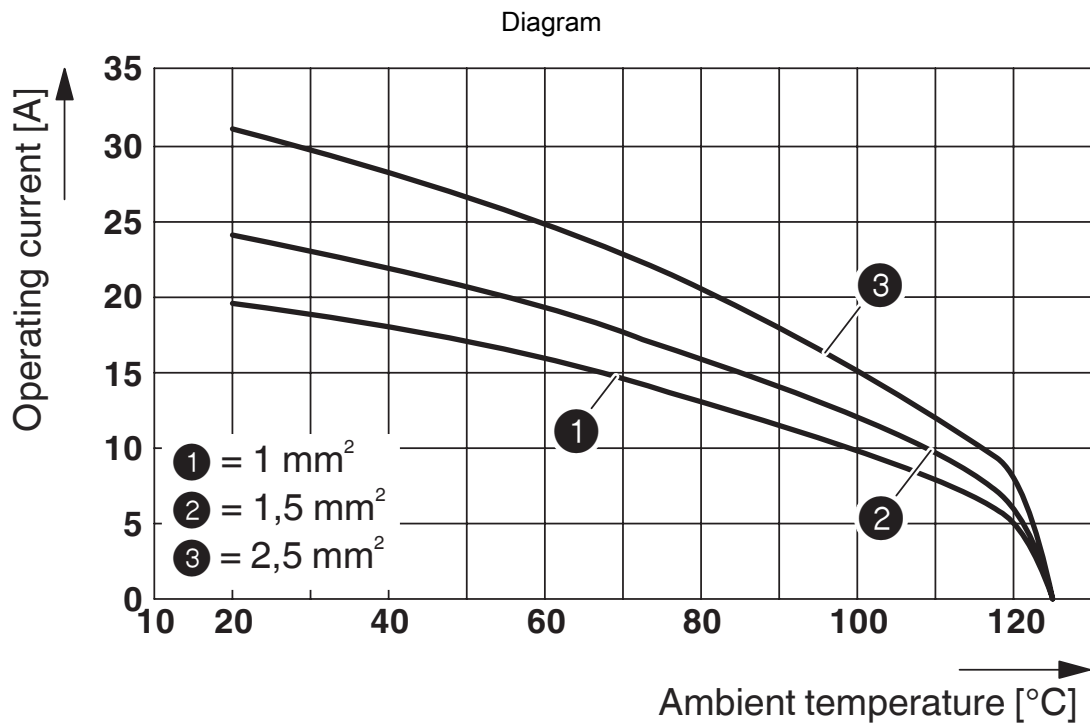
Schematic diagram



Connector pin assignment connection side: Left pin; right socket

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

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## Classifications

### ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

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