

HC-A 3-ESTS - Contact insert

1773080

<https://www.phoenixcontact.com/us/products/1773080>

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



Commercial data

Item number	1773080
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABB
GTIN	4017918122300
Weight per piece (including packing)	16.24 g
Weight per piece (excluding packing)	16.24 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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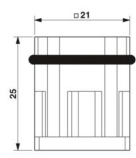
Product properties

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 ² ... 1.5 mm ² (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
Test voltage	4 kV AC

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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	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

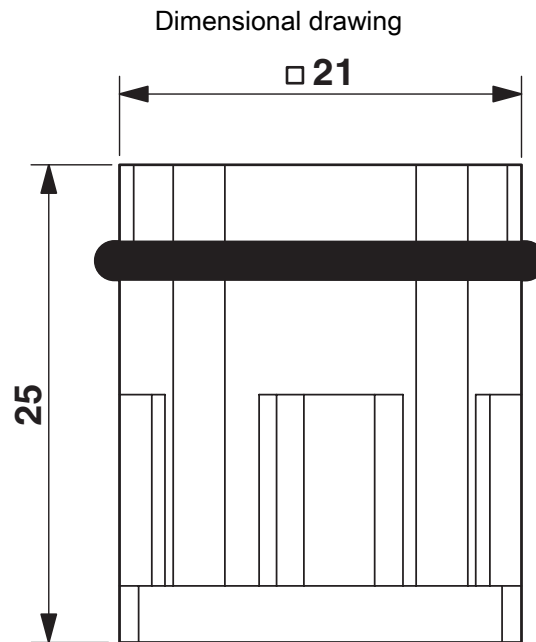
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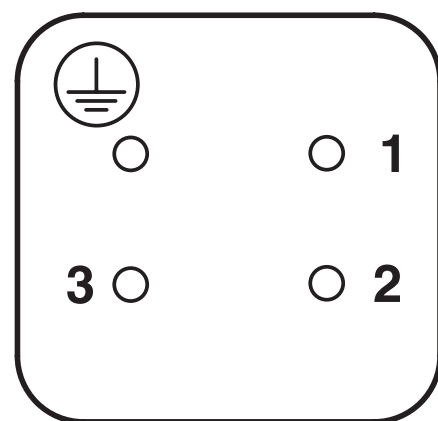
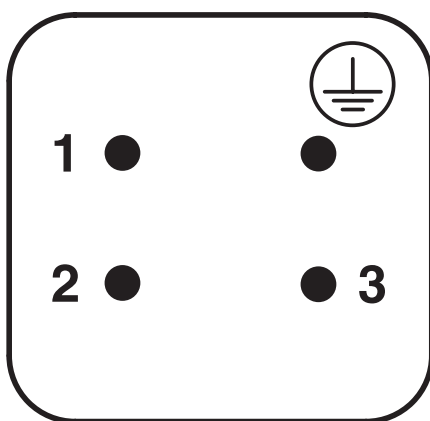


Drawings



Male insert

Schematic diagram

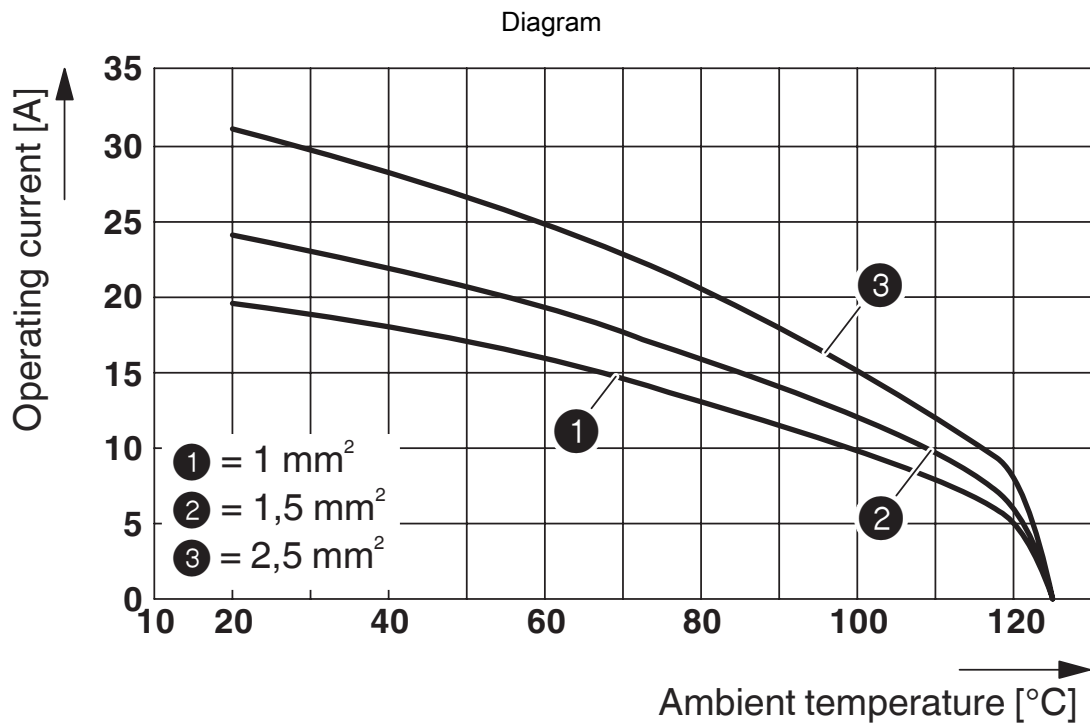


Connector pin assignment connection side: Left pin; right socket

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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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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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