

HC-A 4-ESTS - Contact insert



1774911

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	1774911
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF7
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

HC-A 4-ESTS - Contact insert

1774911

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

Technical data

Notes

General	for housing HC-D7
---------	-------------------

Mounting

Assembly note	Connectors may be operated only when there is no load/voltage. Already includes one IP65 sealing screw
---------------	---

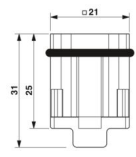
Product properties

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

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 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

HC-A 4-ESTS - Contact insert



1774911

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

Rated surge voltage	4 kV
	4 kV
Rated current	16 A
Test voltage	4 kV AC

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

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)
---------------------------------	--

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

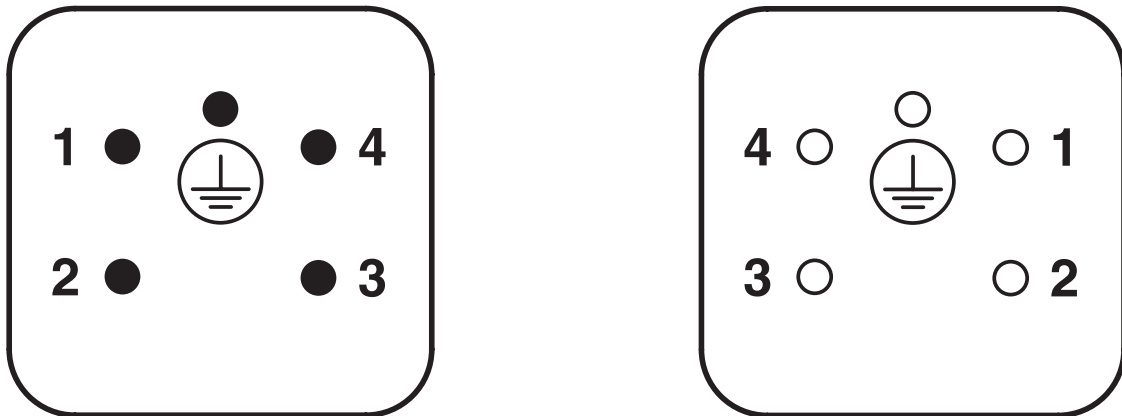
HC-A 4-ESTS - Contact insert

1774911

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

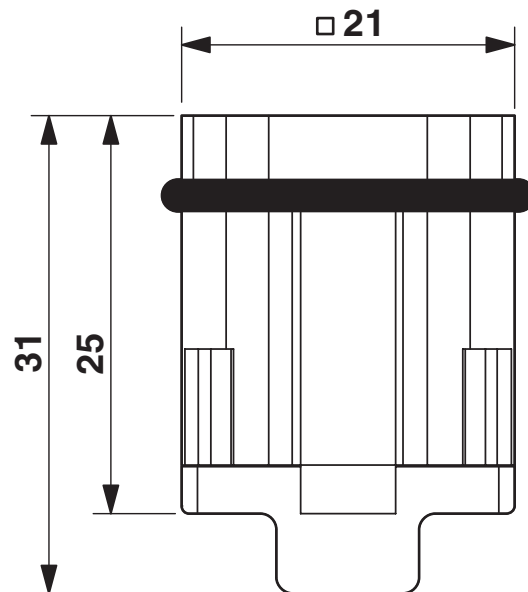
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

Dimensional drawing

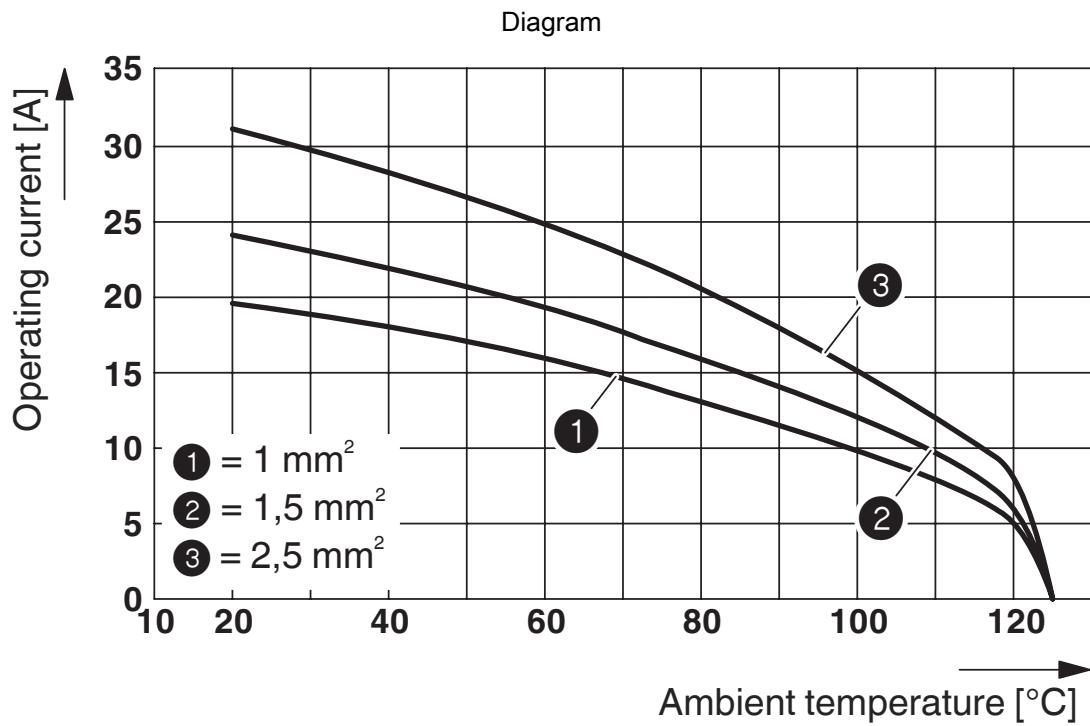


Male insert

HC-A 4-ESTS - Contact insert

1774911

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



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

HC-A 4-ESTS - Contact insert



1774911

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

Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440205

HC-A 4-ESTS - Contact insert



1774911

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

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%
-------------------------------------	----------------------------

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in