

Contact insert - HC-A 16-ESTC-32 - 1677076

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON male insert, A16 series, 16-pos., crimp connection, numbering from 17-32



Key Commercial Data

Packing unit	10 STK
GTIN	
GTIN	4017918129699

Technical data

General

Note	For HC-D25 / HC-D 50 housing, crimp contact CK2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	D25
Contact numbering	17 - 32
Conductor cross section	0.14 mm ² ... 4 mm ² (applies to stranded conductors)
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	8 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
---------------------------------	--

Material data

Contact material	Copper alloy
------------------	--------------

Contact insert - HC-A 16-ESTC-32 - 1677076

Technical data

Material data

Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	16 A

Standards and Regulations

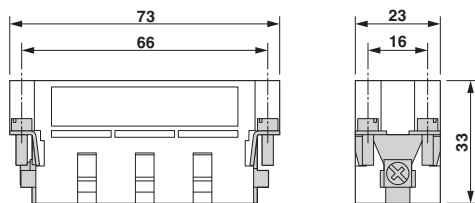
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

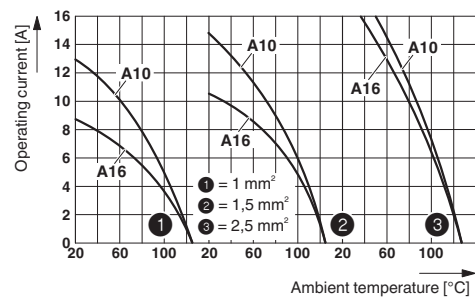
Drawings

Dimensional drawing



Male insert

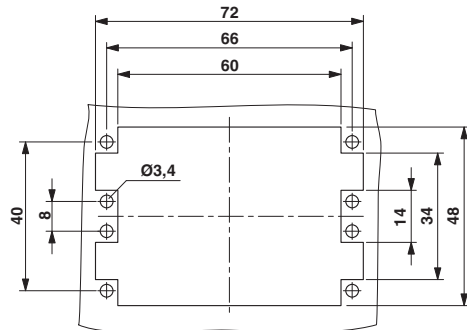
Diagram



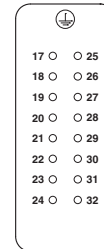
Derating diagram: HC-A...C series

Contact insert - HC-A 16-ESTC-32 - 1677076

Dimensional drawing



Schematic diagram



Connector pin assignment, connection side

Mounting cutout

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	212533
mm ² /AWG/kcmil		20-13	
Nominal current I _N		10 A	
Nominal voltage U _N		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage U _N		600 V	

Contact insert - HC-A 16-ESTC-32 - 1677076

Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil		20-13	

EAC		RU C- DE.AI30.B.01102
-----	--	--------------------------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
------------------	--	---

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>