



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Contact insert - HC-A16-I-PT-F - 1585388

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Contact insert, number of positions: 16+PE, size: D25, Socket, Push-in connection, 250 V, 16 A, 0.14 mm² ... 2.5 mm²

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 285117
GTIN	4046356285117

Technical data

General

Note	for HC-D25 / HC-D 50 housing
Connection method	Push-in connection
Screwdriver blade	0.5 x 3.5 mm
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	D25
Contact numbering	1 - 16
Conductor cross section	0.14 mm² ... 2.5 mm² (applies to stranded conductors with ferrules)
Connection cross section AWG	26 ... 14
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)
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Material data

Contact material	Copper alloy
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Contact insert - HC-A16-I-PT-F - 1585388

Technical data

Material data

Contact surface material	Ag
Contact carrier material	PC

Electrical characteristics

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

Standards and Regulations

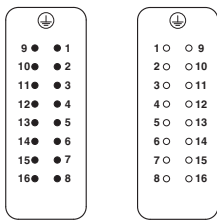
Flammability rating according to UL 94	V0
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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

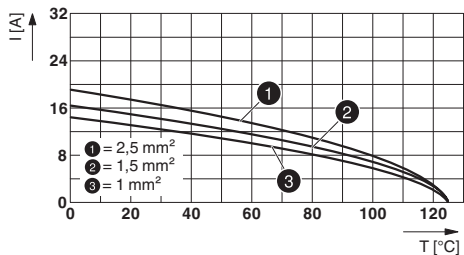
Drawings

Schematic diagram

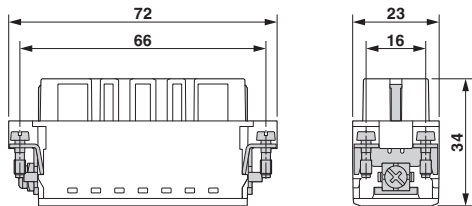


Connector pin assignment, connection side

Diagram

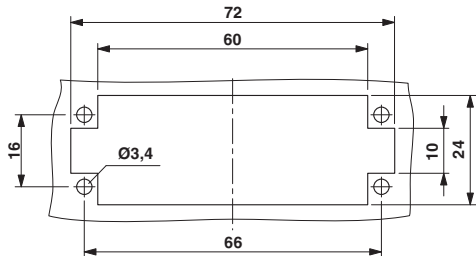


Dimensional drawing



Female insert

Dimensional drawing



Mounting cutout when used without housing

Approvals

Approvals

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Approvals

Approvals

GL / EAC / CSA / UL Recognized

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6196614 HH
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EAC			EAC-Zulassung
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm²/AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		16 A	
mm²/AWG/kcmil		14	

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