



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-A04-I-UT-M - 1585236

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Contact insert, number of positions: 4+PE, size: D7, number of connections per position: 1, Pin, Screw connection, 230/400 V, 24 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

### Product Description

Contact insert  
without wire protection, with IP65 sealing screw

### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356284967

### Technical data

#### General

Note	for housing HC-D7
Connection method	Screw connection
Tightening torque	0.25 Nm ... 0.5 Nm
Screwdriver blade	0.4 x 2.5 mm
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	4+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 4
Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	5 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

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## Technical data

### General

Connection	Already includes one IP65 sealing screw
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### Ambient conditions

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

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

### Electrical characteristics

Rated voltage for power contacts	230/400 V
Rated voltage (III/3)	230 V (Conductor-PE) 400 V (Conductor-Conductor)
Rated surge voltage	4 kV
Rated current	24 A

### Standards and Regulations

Constructional and testing regulations	IEC 61984:2008 IEC 60664-1:2007 IEC 60664-1, DIN IEC 60512
Flammability rating according to UL 94	V0

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

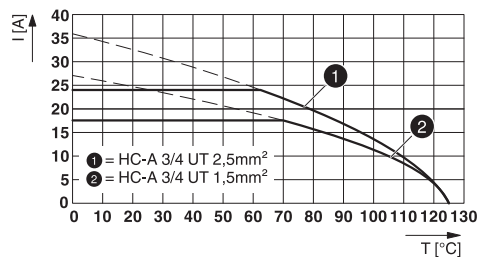
## Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

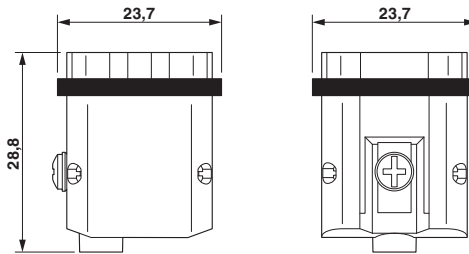
Diagram



Derating diagram

# Contact insert - HC-A04-I-UT-M - 1585236

Dimensional drawing



Male insert

## Approvals

Approvals

Approvals

GL / UL Recognized / CSA / EAC

Ex Approvals

## Approval details

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN	600 V		
Nominal current IN	24 A		
mm <sup>2</sup> /AWG/kcmil	14		

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN	600 V		
Nominal current IN	18 A		
mm <sup>2</sup> /AWG/kcmil	14		

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### Approvals

EAC



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