

# 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	4 046356 284967
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"

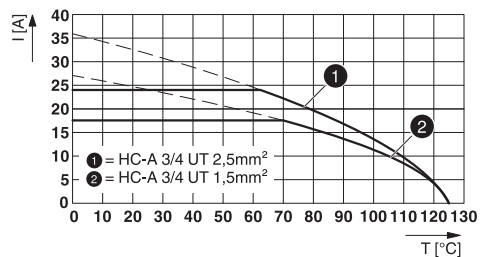
## Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

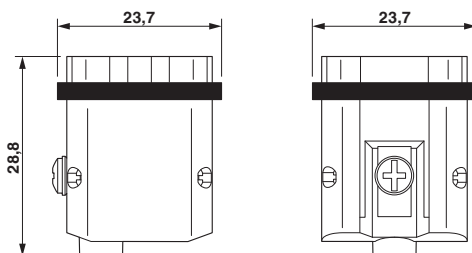
Diagram



Derating diagram

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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
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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
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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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