

Contact insert - HC-A03-I-UT-F - 1585223

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Contact insert, number of positions: 3+PE, size: D7, Socket, Screw connection, 230/400 V, 24 A, 0.5 mm² ... 2.5 mm²

Product Description

Contact insert
without wire protection, with IP65 sealing screw

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 284950
GTIN	4046356284950

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
Degree of pollution	3
Overvoltage category	III
Number of positions	3+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 3
Conductor cross section	0.5 mm ² ... 2.5 mm ²
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.
Connection	Already includes one IP65 sealing screw

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Technical data

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
	4 kV
Rated current	24 A

Standards and Regulations

Flammability rating according to UL 94	V0
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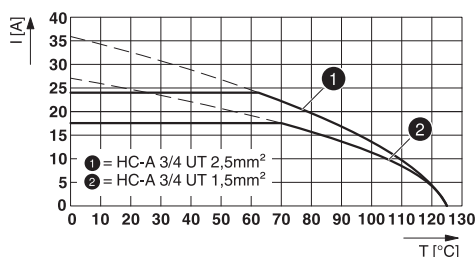
Drawings

Schematic diagram



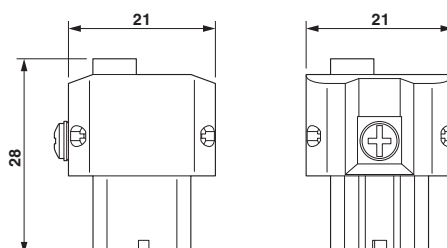
Connector pin assignment connection side: Left pin; right socket

Diagram



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

Dimensional drawing



Female insert

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Approvals

Approvals

Approvals

GL / UL Recognized / CSA / EAC / EAC

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6196614 HH
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
mm²/AWG/kcmil		14	
Nominal current I _N		24 A	
Nominal voltage U _N		600 V	

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm²/AWG/kcmil		14	
Nominal current I _N		18 A	
Nominal voltage U _N		600 V	

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