

Contact insert - HC-A03-I-UT-M - 1585210

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Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Pin, Screw connection, 230/400 V, 24 A, 0.5 mm² ... 2.5 mm²

Product Description

Contact insert
without wire protection, with IP65 sealing screw



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356284943

Technical data

General

Note	for housing HC-D7
	Connectors may be operated only when there is no load/voltage.
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	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

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Technical data

General

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Already includes one IP65 sealing screw

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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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"

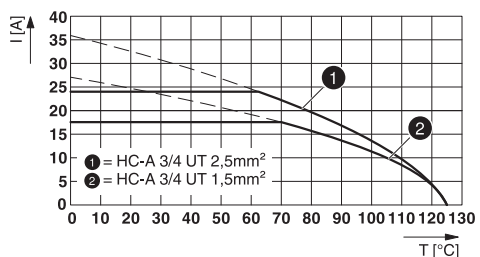
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

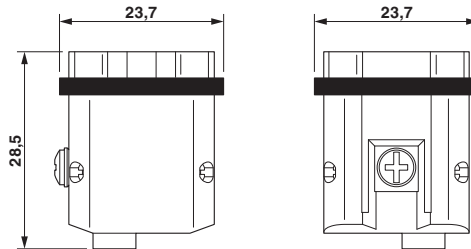
Diagram



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

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Dimensional drawing



Male insert

Approvals

Approvals

Approvals

CSA / GL / UL Recognized / EAC

Ex Approvals

Approval details

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

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
Nominal voltage UN		600 V	
Nominal current IN		24 A	
mm ² /AWG/kcmil		14	

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Approvals

EAC



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