

Contact insert - HC-Q05-I-CT-F - 1406537

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Contact insert, number of positions: 5+PE, size: D7, number of connections per position: 1, Socket, Crimp connection, 230/400 V, 24 A, 0.5 mm² ... 2.5 mm², application: Power

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356932356

Technical data

General

Note	for HC-D7 housing, CK2,5-ED crimp contacts (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	5+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 5
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Connection cross section PE contact	0.5 mm ² ... 2.5 mm ²
Connection cross section PE contact AWG	20 ... 14
Stripping length of the individual wire	7.5 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Ambient conditions

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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 (alternatively Au)
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 (power contacts)

Standards and Regulations

Flammability rating according to UL 94	V0
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Environmental Product Compliance

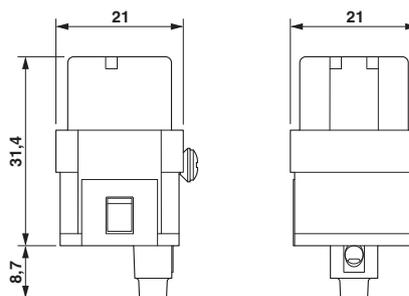
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram



Dimensional drawing



Female insert

Approvals

Approvals

Approvals

UL Recognized / GL / EAC / EAC

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Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil		14	
Nominal current I _N		24 A	
Nominal voltage U _N		600 V	

GL		http://exchange.dnv.com/tari/	6196614 HH
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EAC			RU C- DE.AI30.B.01102
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EAC			RU C- DE.AI30.B.01102
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