Contact insert - HC-Q05-I-CT-M - 1406538

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 932363
GTIN	4046356932363

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 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Connection cross section PE contact	0.5 mm² ... 2.5 mm²
Connection cross section PE contact AWG	20 ... 14
Stripping length of the individual wire	7.5 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

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Technical data

Ambient conditions

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

Material data

Seal material	NBR
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

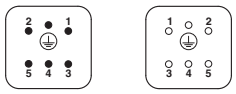
Flammability rating according to UL 94	V0

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”

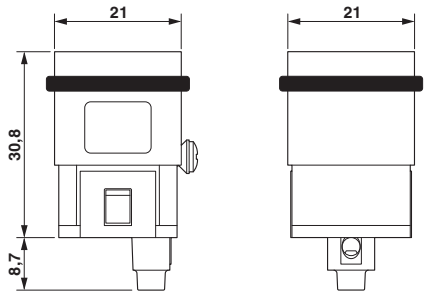
Drawings

Schematic diagram



Male insert

Dimensional drawing



Approvals

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Approvals

Approvals

CSA / GL / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	013631_0_000

Nominal voltage UN	600 V
Nominal current IN	15 A
mm²/AWG/kcmil	14

GL		http://exchange.dnv.com/tari/	6196614 HH

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976

Nominal voltage UN	600 V
Nominal current IN	24 A
mm²/AWG/kcmil	14

EAC		RU C-DE.AI30.B.01102

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com