

Contact insert - HC-D 7-I-CT-M - 1584334

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Contact insert, number of positions: 7+PE, size: D7, Pin, Crimp connection, 250 V, 10 A, 0.14 mm² ... 2.5 mm², Only suitable for plastic housings

Why buy this product

- ✓ Can be used in rail vehicles, satisfy DIN EN 45545-2 with requirement sets R22, R23, and R24 in hazard levels HL1, HL2, and HL3.

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 142595
GTIN	4046356142595

Technical data

General

Note	For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 7
Conductor cross section	0.14 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (0.14 ... 1.5 mm²)
	6 mm (2.5 mm²)
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Ambient conditions

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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

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 (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

Standards and Regulations

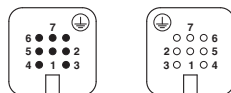
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

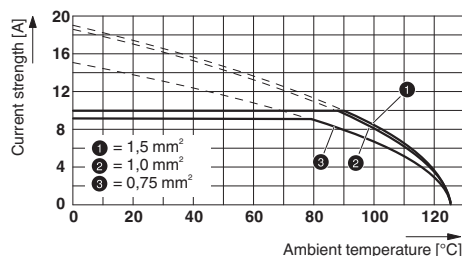
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

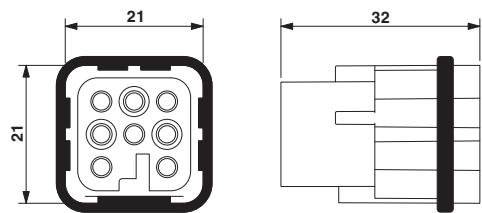
Diagram



Derating diagram: Series HC-D 7-I-CT..

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Dimensional drawing



Male insert

Approvals

Approvals

Approvals

UL Recognized / EAC / EAC / CSA / GL / EAC

Ex Approvals

Approval details

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm²/AWG/kcmil		14		
Nominal current I _N		12 A		
Nominal voltage U _N		600 V		

EAC		EAC-Zulassung
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EAC		RU C- DE.AI30.B.01102
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm²/AWG/kcmil		14	

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Approvals

Nominal current I _N	10 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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