

Contact insert - HC-D07-I-CT-M-42V-METAL - 1425005

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HEAVYCON male insert, D7 series, 7-pos., crimp connection, with IP65 sealing screw

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.

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	
GTIN	4055626383361

Technical data

General

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 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (0.14 ... 1.5 mm ²)
	6 mm (2.5 mm ²)
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Ambient conditions

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

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)	42 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

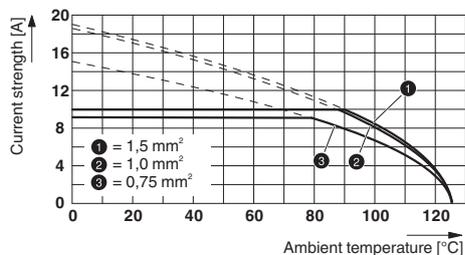
Drawings

Schematic diagram



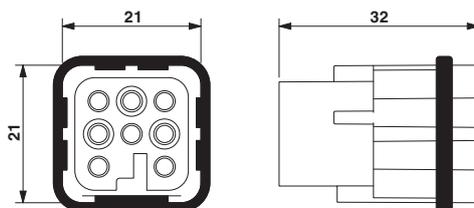
Connector pin assignment connection side: Left pin; right socket

Diagram



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

Dimensional drawing



Male insert

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Approvals

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UL Recognized / CSA

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
mm ² /AWG/kcmil	14		
Nominal current I _N	10 A		
Nominal voltage U _N	42 V		

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm ² /AWG/kcmil	14		
Nominal current I _N	10 A		
Nominal voltage U _N	42 V		

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