

Contact insert - HC-D 8-I-CT-F - 1584363

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Contact insert, Size: D7, Number of positions: 8, Type of contact: Socket, Connection method: Crimp connection, Rated voltage: 50 V, Rated current: 10 A, Connection cross section: 0.14 mm² ... 2.5 mm²

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 142625
GTIN	4046356142625
Weight per Piece (excluding packing)	24.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HC-D8 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
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

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Technical data

General

	IEC 60352
Number of positions	8
Insertion/withdrawal cycles	≥ 500
Size	D7
Connection in acc. with standard	IEC / EN
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.
Connection	The inserts may only be used in plastic housing at voltages > 42 V, as it is not possible to establish a connection between the protective conductor and housing. Product 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

Flammability rating according to UL 94	V0
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)	50 V
Rated surge voltage	0.8 kV
Rated current	10 A

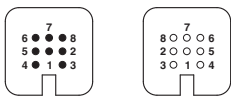
Standards and Regulations

Connection in acc. with standard	IEC / EN
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

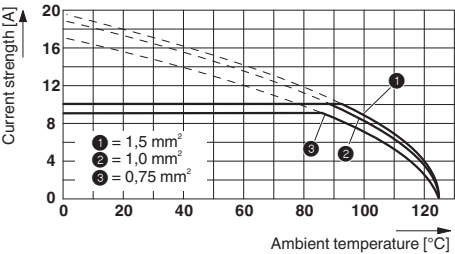
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Schematic diagram



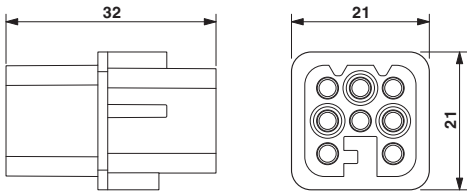
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Female insert

Approvals


Approvals

Approvals

UL Recognized / EAC / EAC / CSA / GL

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

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Approvals

EAC EAC-Zulassung

EAC 7500651.22.01.00246

CSA  http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631	
mm²/AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 6196614