

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

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HEAVYCON female insert, D8 series, 8-pos., crimp connection, with IP65 sealing screw



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	24.0 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
	IEC 60352
Number of positions	8+PE
Insertion/withdrawal cycles	≥ 500
Type	D7
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14

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Technical data

General

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.
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

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27261205

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Classifications

eCl@ss

eCl@ss 7.0	27440207
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals


Approvals

UL Recognized / EAC / EAC / CSA / GL

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
mm ² /AWG/kcmil	14
Nominal current I _N	12 A

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Approvals

Nominal voltage UN	600 V
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EAC

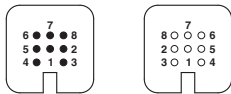
EAC

CSA	
mm ² /AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

GL

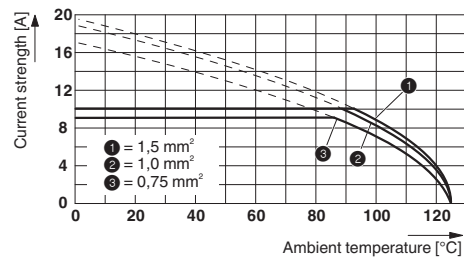
Drawings

Schematic diagram



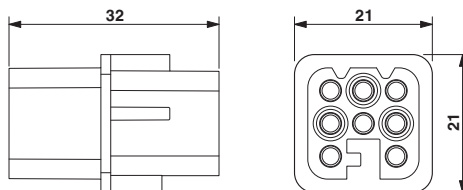
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Female insert

