Contact insert - HC-DD72-I-CT-M - 1584075

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HEAVYCON male insert, DD72 series, 72-pos., crimp connection

Your advantages

- 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 pc
GTIN	4 046356 133388
GTIN	4046356133388

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 type, crimp contacts CK 1,6-ED (crimp contacts not included in the scope of supply). Plug-in connections may only be operated only when there is no load/voltage.
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	72+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
Contact numbering	1 - 72
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)

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Technical data

General

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Connectors may be plugged in only when there is no load/voltage.

Ambient conditions

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

Material data

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

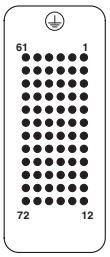
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

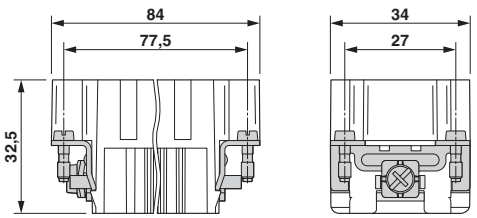
Schematic diagram



Male insert

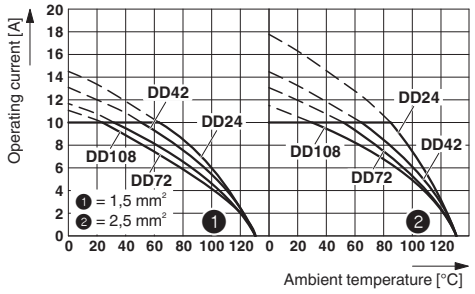
Connector pin assignment, connection side

Dimensional drawing



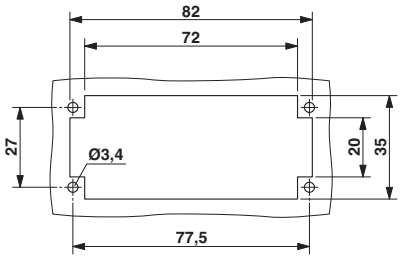
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Diagram



Derating diagram

Dimensional drawing



Mounting cutout when used without housing

Approvals

Approvals

Approvals

CSA / GL / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	013631_6233_01

Nominal voltage UN	250 V
Nominal current IN	7 A
mm²/AWG/kcmil	26-14

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	250 V
Nominal current IN	10 A
mm²/AWG/kcmil	14

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Approvals

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Nominal voltage UN	250 V
Nominal current IN	7 A
mm²/AWG/kcmil	14

EAC		RU C-DE.AI30.B.01102

cULus Recognized	

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