Contact insert - HC-D 25-I-CT-M - 1584392

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HEAVYCON male insert, D25 series, 25-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 142656
GTIN	4046356142656

Technical data

General

Note	For HEAVYCON housing type D25, CK1,6-ED crimp contacts (crimp contacts not supplied as standard)
Connection method	Crimp connection
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	25+PE
Insertion/withdrawal cycles	≥ 500
Size	D25
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	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.

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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

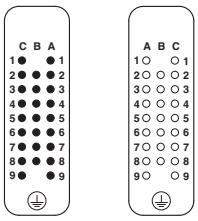
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

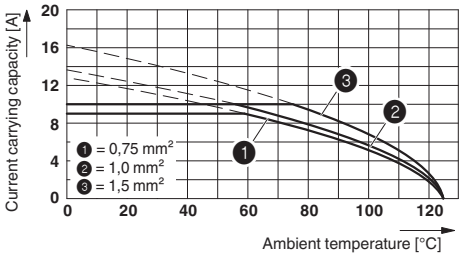
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: HC-D...C series

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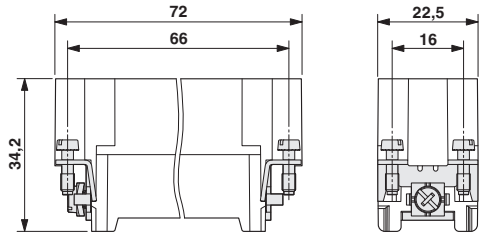
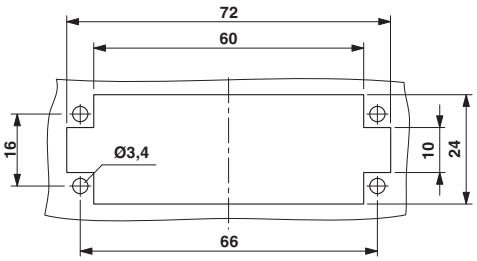
Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout when used without housing

Approvals

Approvals

Approvals

CSA / GL / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

Nominal voltage UN	600 V
Nominal current IN	8 A
mm²/AWG/kcmil	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	600 V
Nominal current IN	10 A

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mm²/AWG/kcmil	14

EAC	EAC	RU C-DE.AI30.B.01102

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