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Contact insert - HC-DD42-I-CT-M - 1584059

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HEAVYCON male insert, DD42 series, 42-pos., crimp connection

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 133364

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B10 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
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	42+PE
Insertion/withdrawal cycles	≥ 500
Size	B10
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	-Housing heights with h >= 72 mm are recommended in the case of a large number of wires. -Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.

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Technical data

General

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

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)	250 V
Rated surge voltage	4 kV
Rated current	10 A

Standards and Regulations

Connection in acc. with standard	IEC / EN
	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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000437

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Classifications

ETIM

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

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

Ex Approvals

Approvals submitted

Approval details

CSA

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

UL Recognized

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

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Approvals

cUL Recognized

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

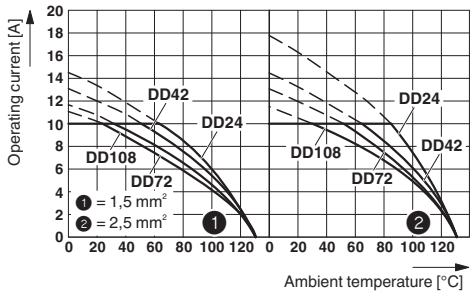
EAC

GL

cULus Recognized

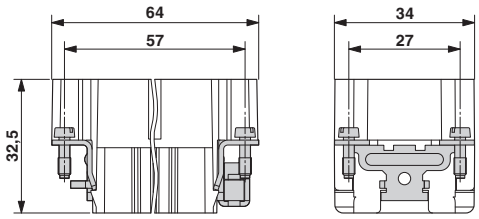
Drawings

Diagram



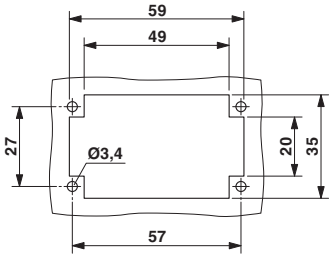
Derating diagram

Dimensional drawing



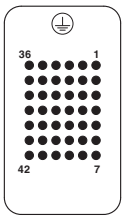
Male insert

Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

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