

Contact insert - HC-DD42-I-CT-F - 1584062

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



HEAVYCON female insert, DD42 series, 42-pos., crimp connection. PE connection using tension sleeve technology.

Key commercial data

package_quantity	10
GTIN	4046356133371

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
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN VDE 0627/86
Constructional and testing regulations	DIN VDE 0110/02.79
Constructional and testing regulations	DIN VDE 0110-1/04.97
Constructional and testing regulations	IEC 60664-1, DIN IEC 60512
Constructional and testing regulations	IEC 60352
Number of positions	42+PE
Insertion/withdrawal cycles	≥ 500
Design	B10
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm
Stripping length of the individual wire	6 mm (2.5 mm ²)
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.
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)
---------------------------------	--

Contact insert - HC-DD42-I-CT-F - 1584062

Technical data

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

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	27440209

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000437
ETIM 5.0	EC000437

UNSPSC

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

approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized /

Approval details



Contact insert - HC-DD42-I-CT-F - 1584062

approvals

Nominal voltage UN	250 V
Nominal current IN	7 A
mm ² /AWG/kcmil	26-14

UL Recognized 	
Nominal voltage UN	250 V
Nominal current IN	10 A
mm ² /AWG/kcmil	14

cUL Recognized 	
Nominal voltage UN	250 V
Nominal current IN	7 A
mm ² /AWG/kcmil	14

cULus Recognized 	
---	--

accessories

Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



Contact insert - HC-DD42-I-CT-F - 1584062

accessories

HC-B-ZG - 1685327



HC-B-ZS - 1685330



Coding element

CP-HC - 1686478



HC-CBU - 1676860



HC-CB - 1772722



Contact insert - HC-DD42-I-CT-F - 1584062

accessories

HC-CST - 1676857



Plug assembly frame

HC-SMR-B10 - 1687969



Plug mounting plate

HC-SMP 125-B10-AMQ - 1660960



Assembly tool

VC-EW 1,6 - 1884869



Adapter plate

HC-B 24-ADP-B 10-GY - 1660436



Contact insert - HC-DD42-I-CT-F - 1584062

accessories

Docking frame

HC-B 10-ANDOCK - 1586125



Crimping tool

CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Fiber optics contact

CK1,6-ED-BU-POF - 1885004



Crimp contact

CK1,6-ED-0,37BU AG - 1663394



Contact insert - HC-DD42-I-CT-F - 1584062

accessories

CK1,6-ED-0,50BU AG - 1663404



CK1,6-ED-0,75BU AG - 1663417



CK1,6-ED-1,00BU AG - 1663420



CK1,6-ED-1,50BU AG - 1663433



CK1,6-ED-2,50BU AG - 1663446



CK1,6-ED-0,37BU AU - 1674969



Contact insert - HC-DD42-I-CT-F - 1584062

accessories

CK1,6-ED-0,50BU AU - 1674480



CK1,6-ED-0,75BU AU - 1672440



CK1,6-ED-1,00BU AU - 1674943



CK1,6-ED-1,50BU AU - 1674930



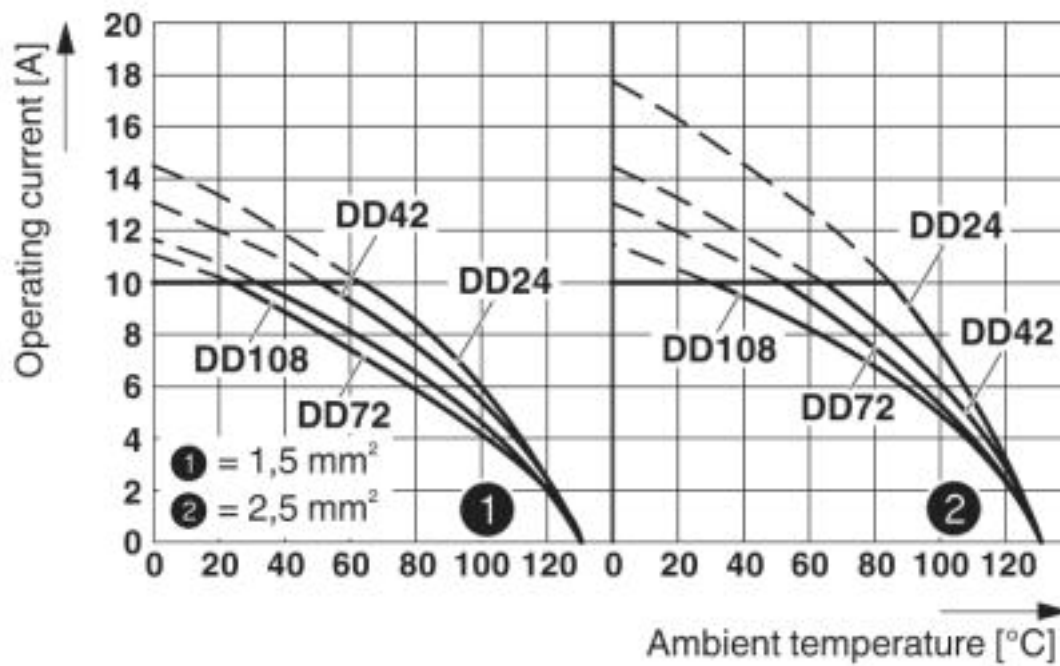
CK1,6-ED-2,50BU AU - 1674985



Drawings

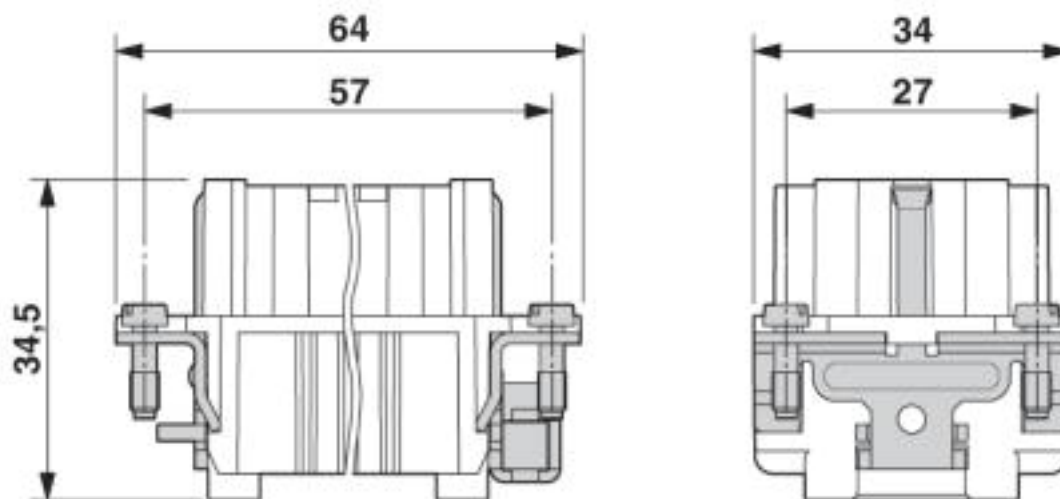
Contact insert - HC-DD42-I-CT-F - 1584062

Diagram



Derating diagram

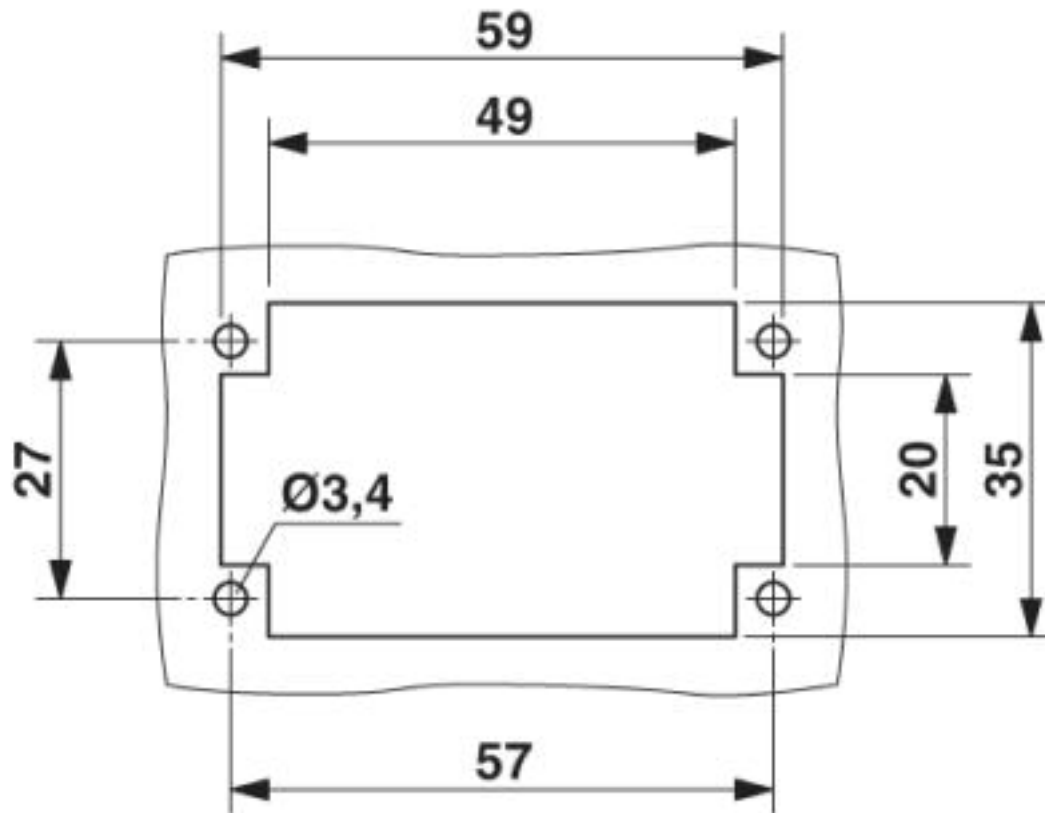
Dimensioned drawing



Female insert

Contact insert - HC-DD42-I-CT-F - 1584062

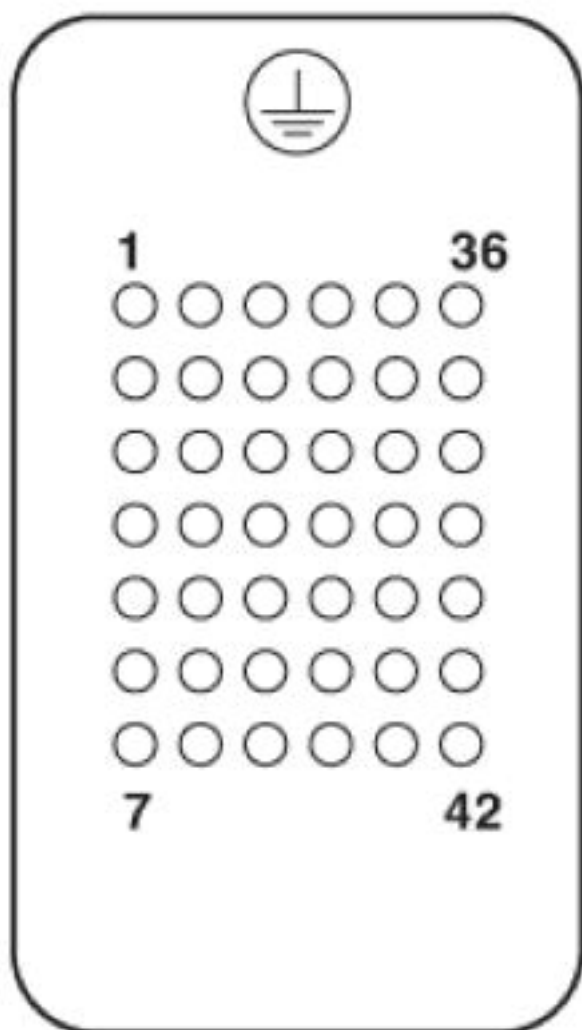
Dimensioned drawing



Panel cutout

Contact insert - HC-DD42-I-CT-F - 1584062

Schematic diagram



Connector pin assignment, connection side

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>