

Contact insert - HC-D 40-ESTC-R - 1679485

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HEAVYCON male insert, D40 series, 40-pos., crimp connection, rolled contacts

Key commercial data

package_quantity	10
GTIN	4017918163716

Technical data

General

Note	For HEAVYCON ADVANCE housings of B16 type and HEAVYCON housings of B16/32 types, crimp contacts CK1,6-ER / CK1,6-BR (crimp contacts not included in the scope of supply)
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	40+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm² ... 1.5 mm²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	3 mm +0,5 (0.14 mm² ... 0.5 mm²)
Stripping length of the individual wire	3.5 mm +1 (0.5 mm² ... 1.5 mm²)
Assembly instructions	- 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)
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Material data

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Technical data

Material data

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

Electrical characteristics

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

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	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

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

CSA / UL Recognized / GOST / GL /

Approval details

CSA 

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approvals

Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	

UL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	

GOST 

GL

accessories

Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



HC-B-ZG - 1685327



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accessories

HC-B-ZS - 1685330



Coding element

HC-CBU - 1676860



HC-CB - 1772722



HC-CST - 1676857



Plug assembly frame

HC-SMR-B16 - 1687972



Plug mounting plate

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accessories

HC-SMP 125-B16-AMQ - 1660973



Adapter plate

HC-B 24-ADP-B 16-GY - 1660449



Docking frame

HC-B 16-ANDOCK - 1586138



Crimp contact

CK1,6-ER-0,50ST AG - 1884092



CK1,6-ER-1,50ST AG - 1884089



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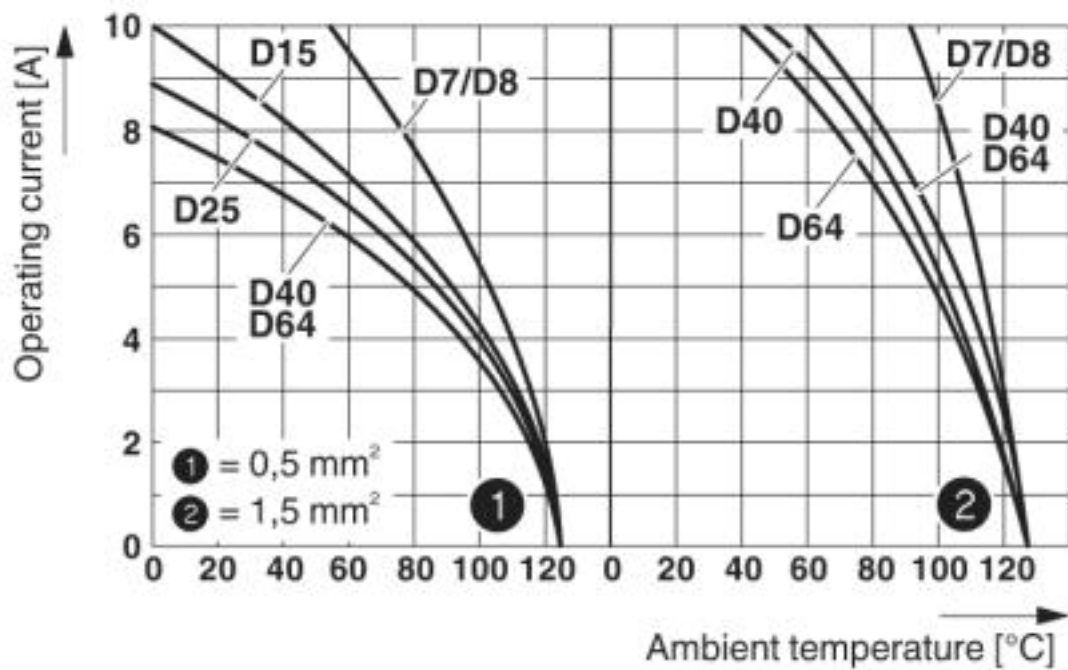
accessories

CK1,6-ER-2,50ST AG - 1884102



Drawings

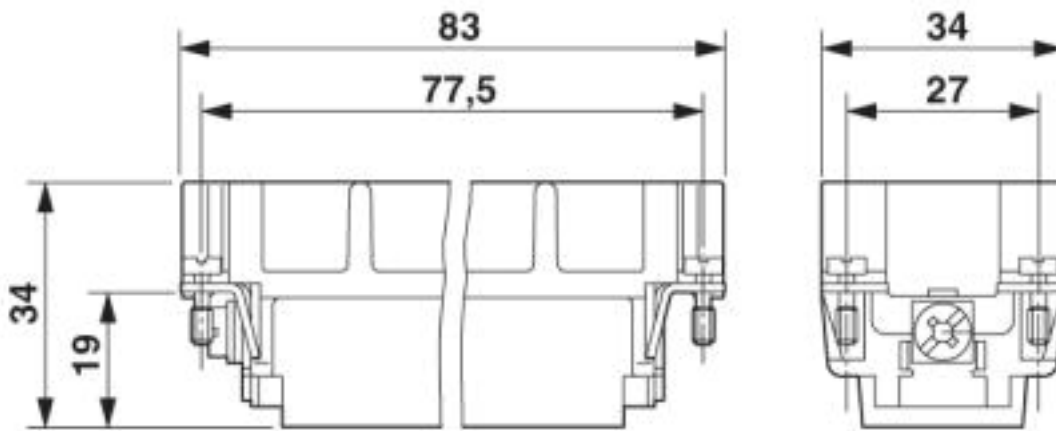
Diagram



Derating diagram: Series HC-D...C-R

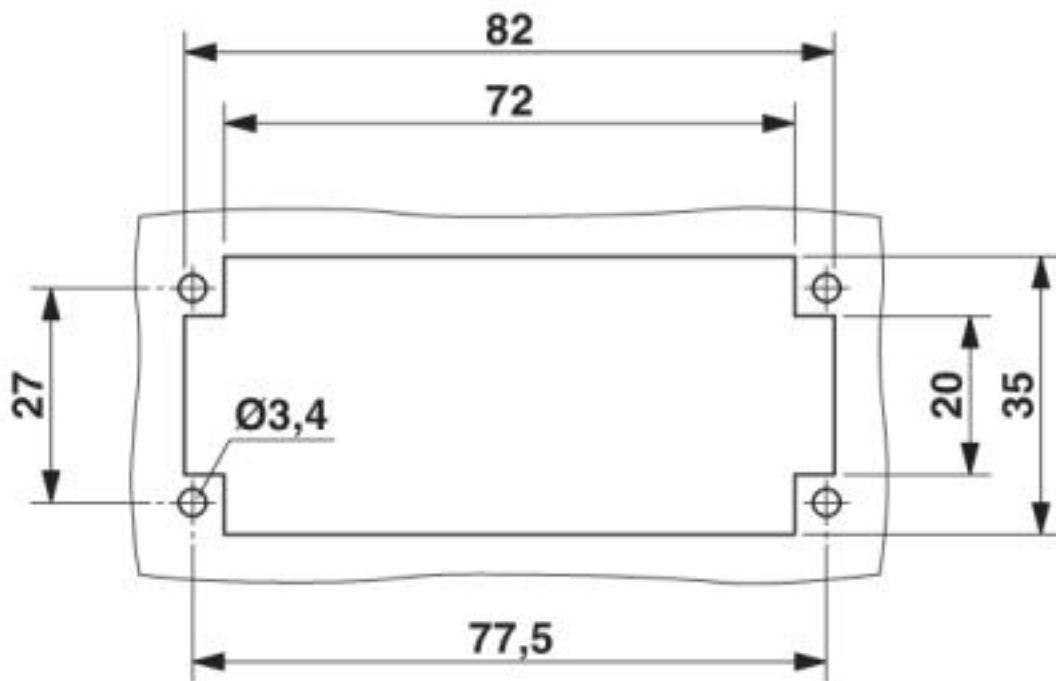
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Dimensioned drawing



Male insert

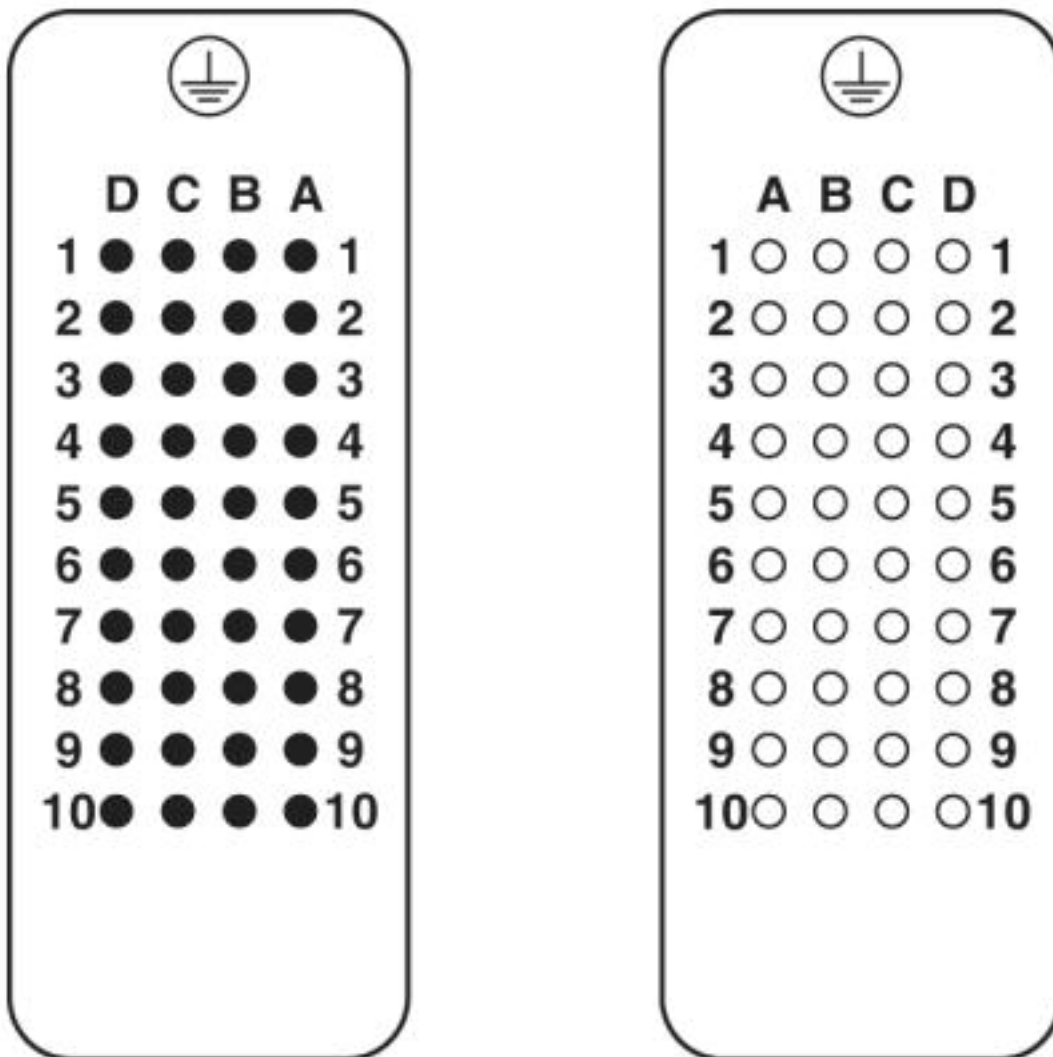
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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