

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

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 163716
GTIN	4017918163716
Weight per Piece (excluding packing)	71.360 g
Custom tariff number	85366990
Country of origin	Czech Republic

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
Degree of pollution	3
Overvoltage category	III
Number of positions	40+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16

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Technical data

General

Stripping length of the individual wire	3 mm +0,5 mm (0.14 mm ² ... 0.5 mm ²)
	3.5 mm +1 (0.5 mm ² ... 1.5 mm ²)
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)
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Material data

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

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

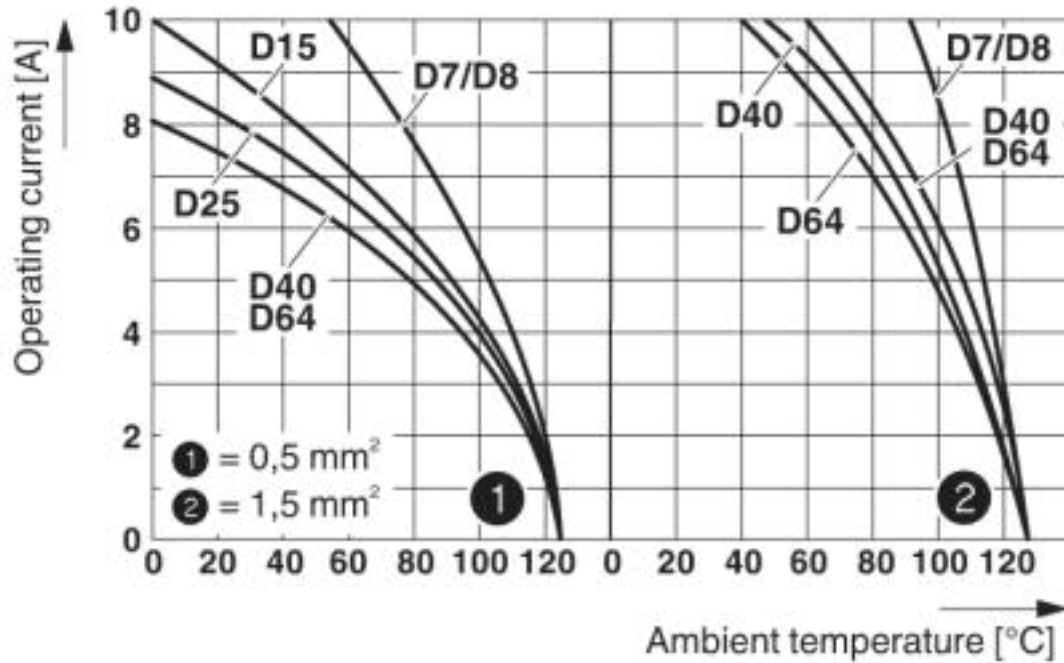
Environmental Product Compliance

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

Drawings

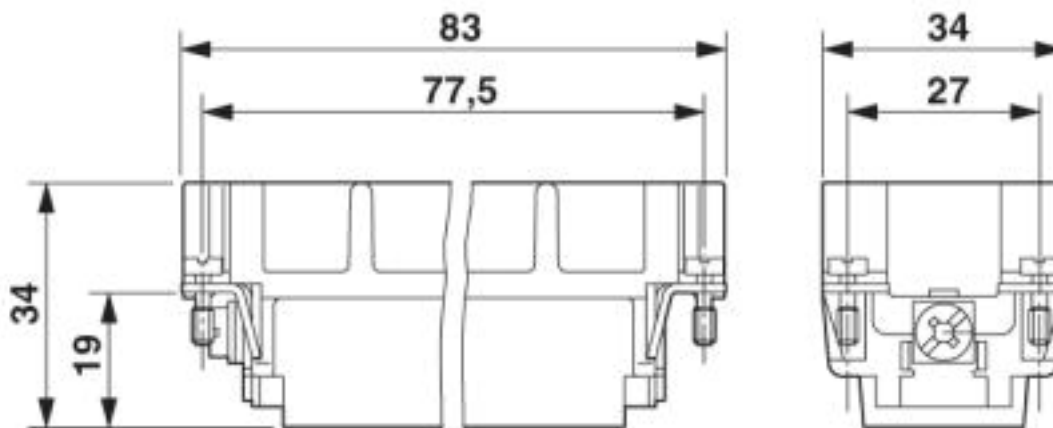
Contact insert - HC-D 40-ESTC-R - 1679485

Diagram



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

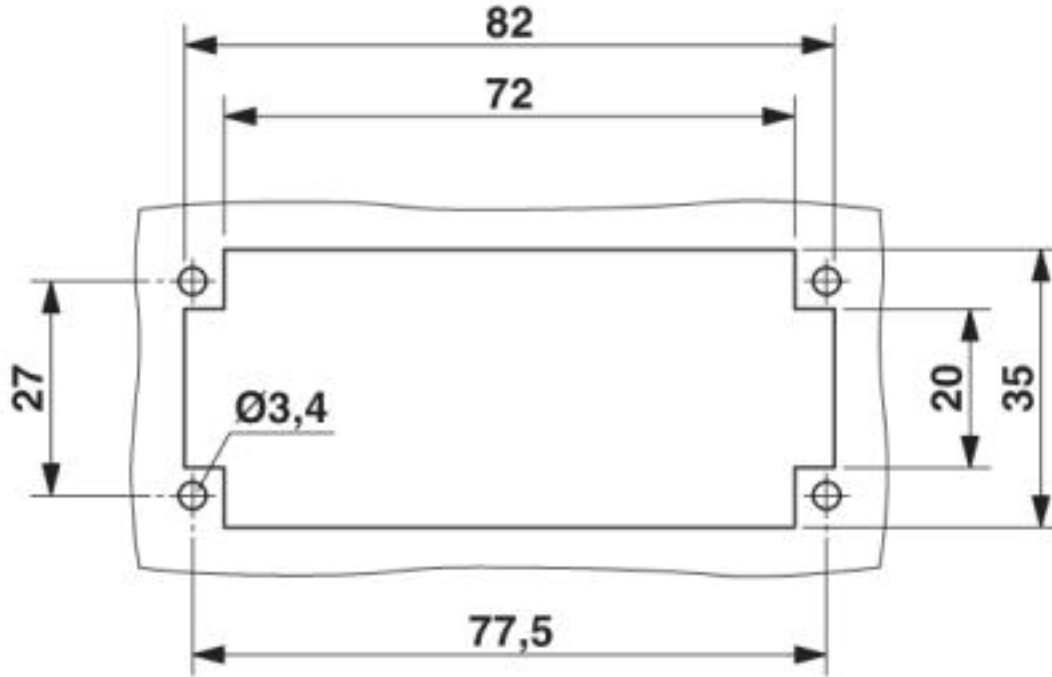
Dimensional drawing



Male insert

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

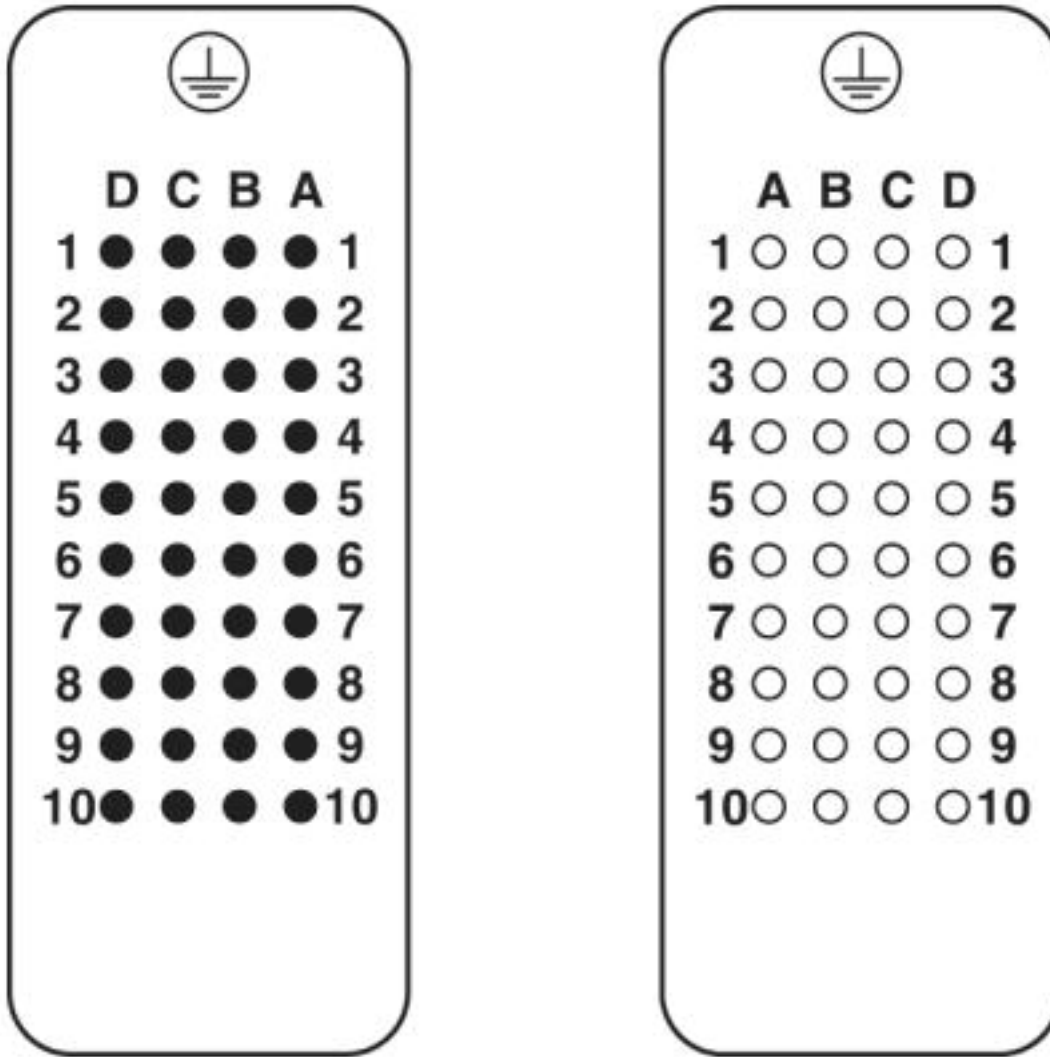
Dimensional drawing



Mounting cutout when used without housing

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

Schematic diagram



Connector pin assignment, connection side

Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200

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

Classifications

eCl@ss

eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	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 / EAC / EAC / DNV GL

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	File 703204
Nominal voltage UN	600 V		
Nominal current IN	10 A		
mm ² /AWG/kcmil	14		

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

Approvals

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	
mm ² /AWG/kcmil		14	

EAC		RU C- DE.AI30.B.01102
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EAC		EAC-Zulassung
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DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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Accessories

Accessories

Adapter plate

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



HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray

Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Accessories

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Crimp contact

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



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.14 mm² ... 0.5 mm² AWG 26 ... 20

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



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.5 mm² ... 1.5 mm² AWG 20 ... 16

DIN rail mounting frame

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Accessories

DIN rail mounting frame - HC-SMR-B16 - 1687972



HEAVYCON DIN rail mounting frame, for contact inserts of type B16

Docking frame

Docking frames - HC-B 16-ANDOCK - 1586138



Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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Accessories

Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

Plug mounting plate

DIN rail mounting frame - HC-SMP 125-B16-AMQ - 1660973



HEAVYCON DIN rail mounting frame with panel mounting base with double locking latch, for contact inserts of type B16
