

HC-D 40-EBUC-R - Contact insert

1679537

<https://www.phoenixcontact.com/us/products/1679537>



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



Commercial data

Item number	1679537
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABE
Catalog page	Page 429 (C-4-2013)
GTIN	4017918163761
Weight per piece (including packing)	70.35 g
Weight per piece (excluding packing)	70.35 g
Customs tariff number	85366990
Country of origin	CZ

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Technical data

Notes

General	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)
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Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
	Connectors may be plugged in only when there is no load/voltage.

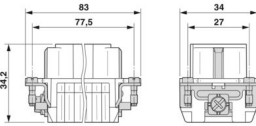
Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-D
Type	B16
	B32
Number of positions	40
Connection profile	40+PE
Contact material type	rolled

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	36 mm
Length	83 mm
Drill hole distance, horizontal	77.5 mm

Mechanical characteristics

Contact diameter	1.6 mm
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Connection data

Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

Conductor connection

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Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	3 mm +0,5 mm (0.14 mm ² ... 0.5 mm ²)
	3.5 mm +1 mm (0.5 mm ² ... 1.5 mm ²)

Electrical properties

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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

Environmental and real-life conditions

Ambient conditions

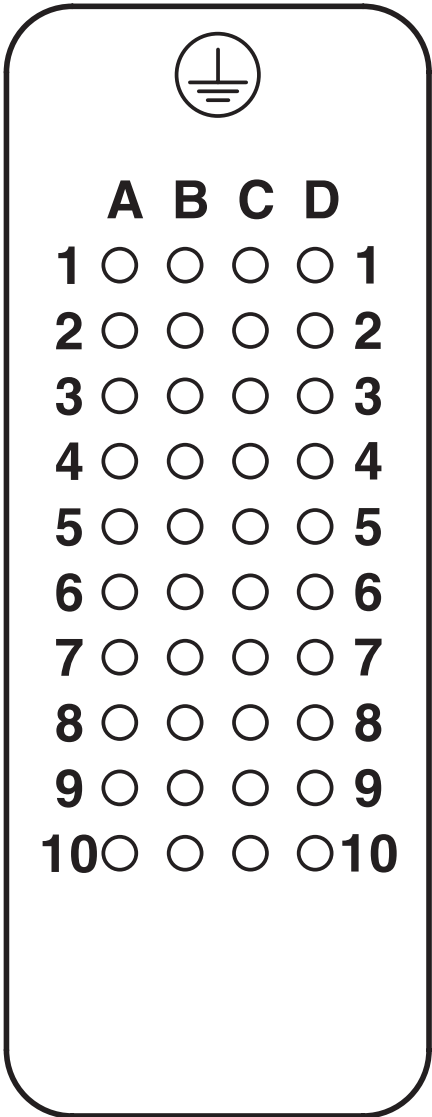
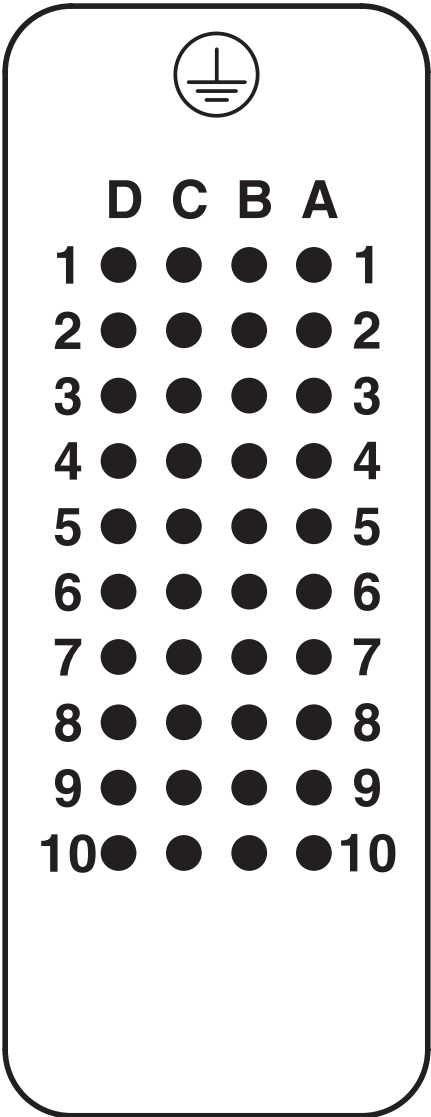
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

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
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

Drawings

Schematic diagram

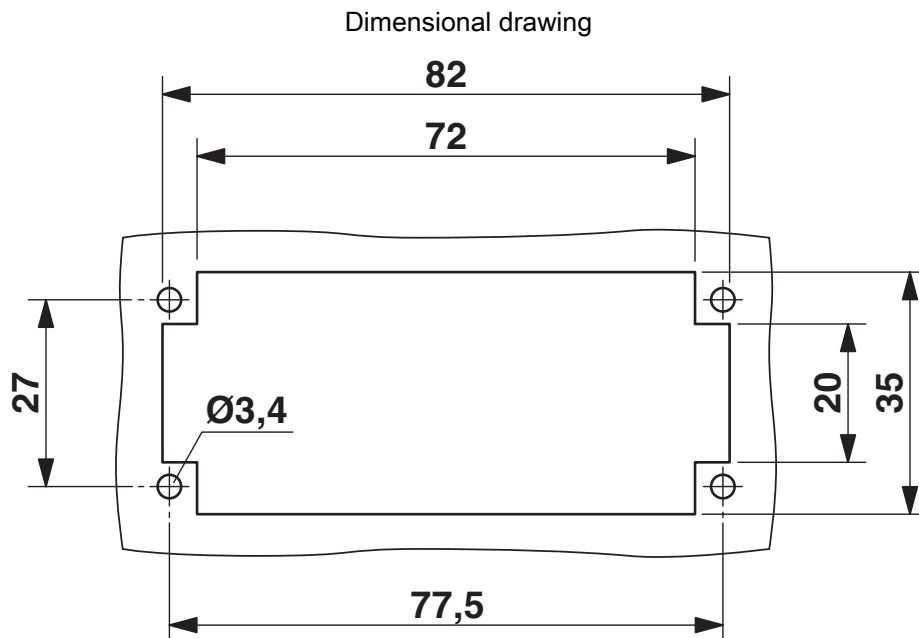


Connector pin assignment, connection side

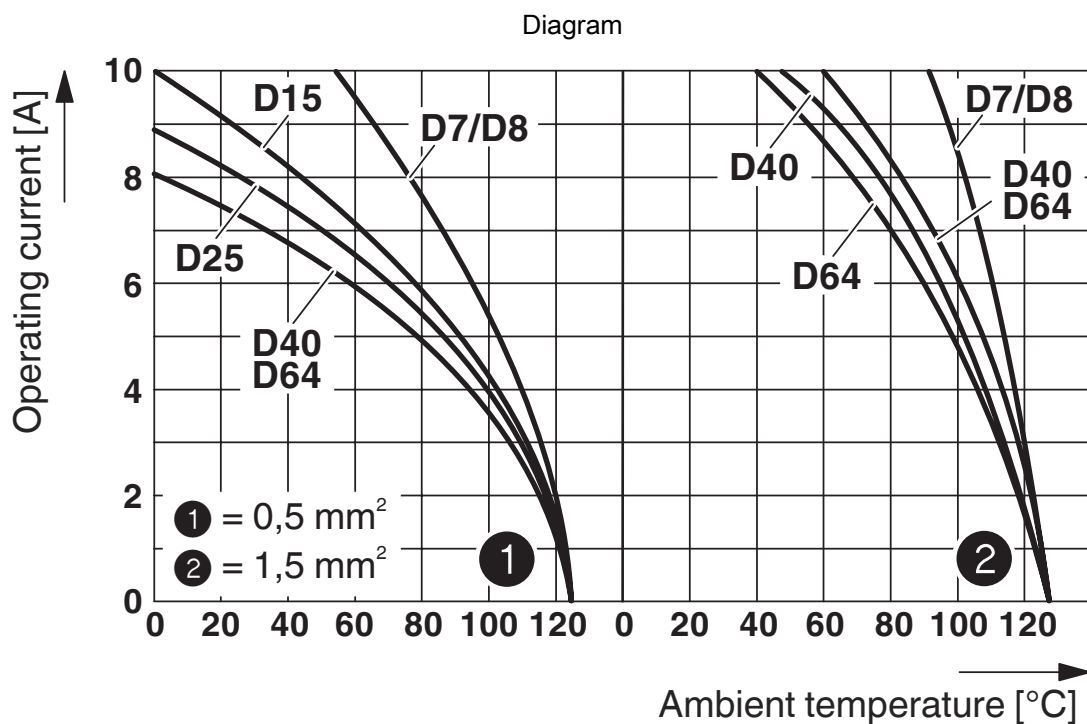
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Mounting cutout when used without housing



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

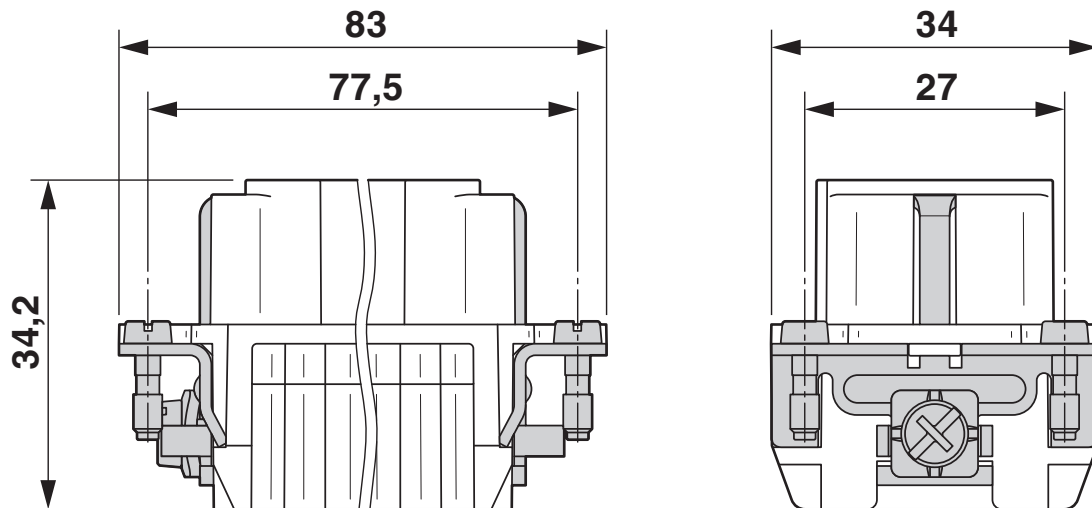
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Dimensional drawing



Female insert

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440205

UNSPSC

UNSPSC 21.0	39121522
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a)

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Accessories

HC-B-PES - Screw

1604997

<https://www.phoenixcontact.com/us/products/1604997>

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



HC-B-3PE - PE multiplier

1644326

<https://www.phoenixcontact.com/us/products/1644326>

PE multiplier, for 3 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts



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HC-CBU - Coding element

1676860

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Coding socket for coding up to 16 connectors

HC-CB - Coding bolt

1772722

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

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HC-B-ZG - Strain relief clamp

1685327

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

HC-B-ZS - Strain relief clamp

1685330

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

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HC-CST - Coding element

1676857

<https://www.phoenixcontact.com/us/products/1676857>

Coding peg for coding up to 16 connectors



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

1660449

<https://www.phoenixcontact.com/us/products/1660449>

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



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HC-B 16-ANDOCK - Docking frame

1586138

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

CK1,6-ER-1,00BU OIC AG - Crimp contact

1004362

<https://www.phoenixcontact.com/us/products/1004362>



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17

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CK1,6-ER-2,50BU OIC AG - Crimp contact

1004366

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Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14

CK1,6-BR-1,00BU OIC AG - Crimp contact

1004381

<https://www.phoenixcontact.com/us/products/1004381>



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17, Taped products

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CK1,6-BR-2,50BU OIC AG - Crimp contact

1004383

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Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14, Taped products

CK1,6-ED-BU-POF - Female contact

1885004

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POF fiber optic socket contact, turned, for contact carriers (HC-DD...I-CT.../ HC-M-12-CT-F.../ HC-M-17-CT-F...) of CK1,6-ED... contacts

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