

HC-D 40-ESTC - Contact insert

1772502

<https://www.phoenixcontact.com/us/products/1772502>



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

Commercial data

Item number	1772502
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	BF7ABE
Catalog page	Page 440 (PC-2009)
GTIN	4017918037178
Weight per piece (including packing)	67 g
Weight per piece (excluding packing)	66.57 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HC-D40 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
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Mounting

Assembly instructions	- Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed. Connectors may be plugged in only when there is no load/voltage.
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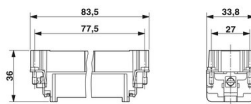
Product properties

Type	B16 B32
Product type	Contact insert with a fixed no. of positions
Number of positions	40
Connection profile	40+PE
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	32.5 mm
Length	84.5 mm

Connection data

Connection technology

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

Conductor connection

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 6 mm (2.5 mm ²)

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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	PA

Environmental and real-life conditions

Ambient conditions

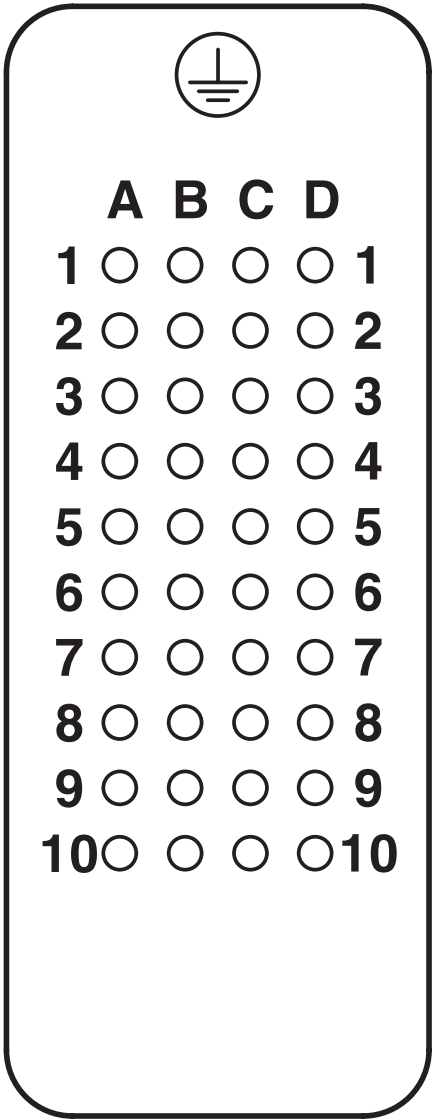
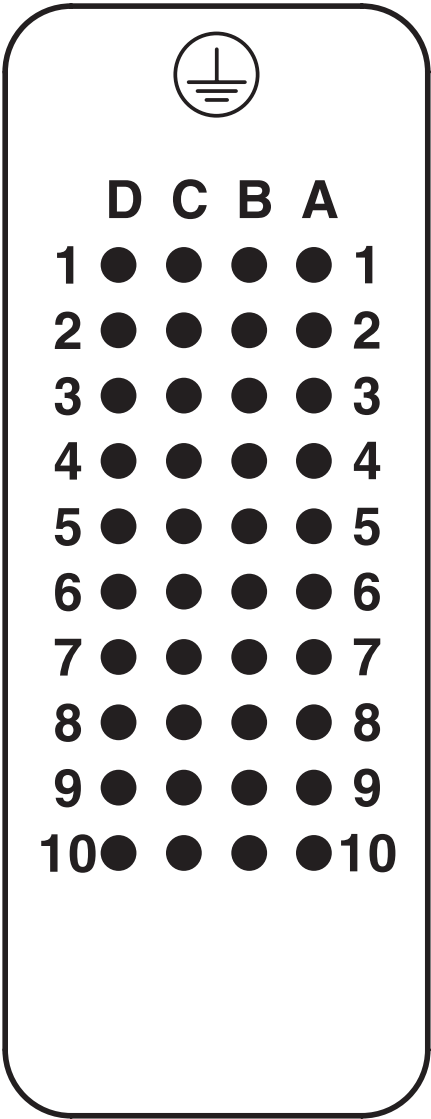
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

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

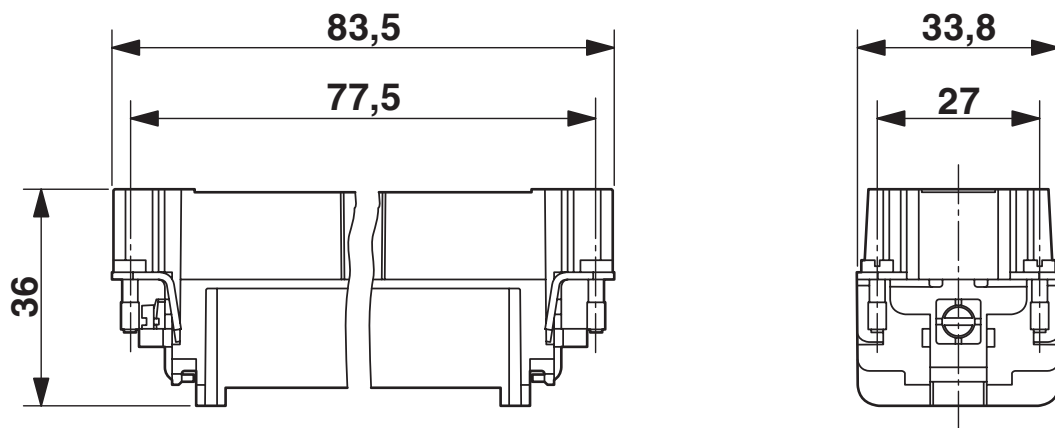
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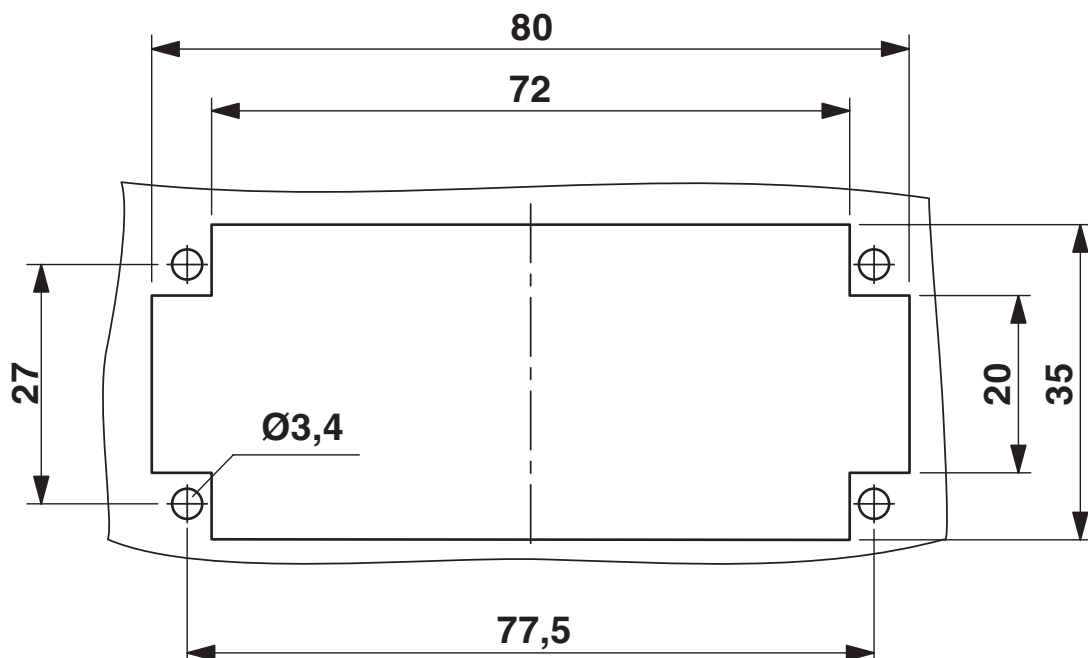


Dimensional drawing



Male insert (turned contacts)

Dimensional drawing

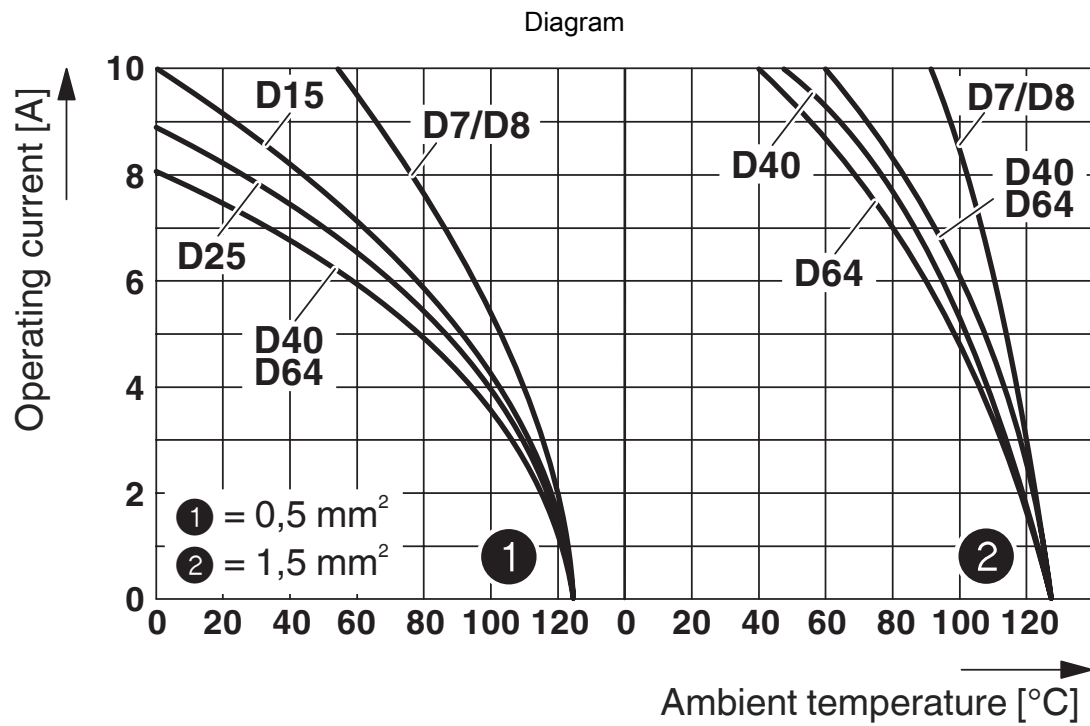


Mounting cutout

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Derating diagram: HC-D...C series

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440223

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Environmental product compliance

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

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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

<https://www.phoenixcontact.com/us/products/1676860>



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

<https://www.phoenixcontact.com/us/products/1685327>



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

<https://www.phoenixcontact.com/us/products/1685330>



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

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Coding peg for coding up to 16 connectors

HC-SMR-B16 - DIN rail mounting frame

1687972

<https://www.phoenixcontact.com/us/products/1687972>



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

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

1660973

<https://www.phoenixcontact.com/us/products/1660973>



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

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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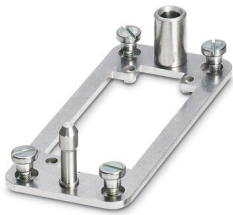
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HC-B 16-ANDOCK - Docking frame

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

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