

Contact insert - HC-D 40-EBUC-R - 1679537

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://phoenixcontact.com/download>)



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



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 163761
Weight per Piece (excluding packing)	70.35 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
Pollution degree	3
Overvoltage category	III
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
Number of positions	40+PE
Insertion/withdrawal cycles	≥ 500
Type	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16

Contact insert - HC-D 40-EBUC-R - 1679537

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	- 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)
---------------------------------	--

Material data

Flammability rating 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	27440205

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

Contact insert - HC-D 40-EBUC-R - 1679537

Approvals

Approvals


Approvals


CSA / UL Recognized / GL / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm ² /AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

UL Recognized 	
mm ² /AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

GL

EAC

EAC

Accessories

Accessories

Adapter plate

Contact insert - HC-D 40-EBUC-R - 1679537

Accessories

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

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-0,50BU AG - 1884128



Rolled 1.6 crimp contact, individual female contact, core diameter 0.5 mm²

Contact insert - HC-D 40-EBUC-R - 1679537

Accessories

Crimp contact - CK1,6-ER-1,50BU AG - 1884115



Rolled female contact, single contacts, silver-plated, 0.5 mm² ... 1.5 mm²

Crimp contact - CK1,6-ER-2,50BU AG - 1884131



Rolled female contact, single contacts, silver-plated, 1.5 mm² ... 2.5 mm²

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

Contact insert - HC-D 40-EBUC-R - 1679537

Accessories

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

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 assembly frame

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

Plug mounting plate

Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973

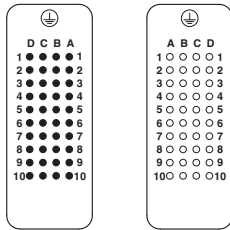


HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

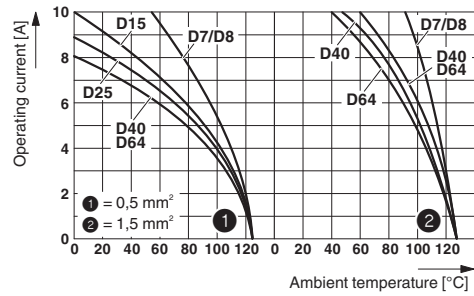
Drawings

Contact insert - HC-D 40-EBUC-R - 1679537

Schematic diagram



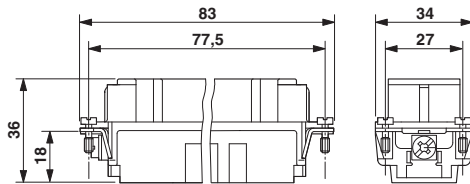
Diagram



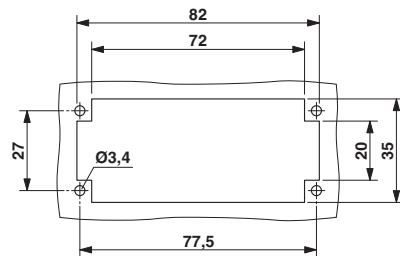
Connector pin assignment, connection side

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

Dimensional drawing



Dimensional drawing



Female insert

Panel cutout