

## 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
Weight per Piece (excluding packing)	71.36 GRM
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
Surge voltage 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
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

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## Technical data

### General

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

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
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

Approvals

CSA / UL Recognized / GOST / GL

Ex Approvals

Approvals submitted

### Approval details

CSA	
Nominal current IN	10 A
Nominal voltage UN	600 V

UL Recognized	
Nominal current IN	10 A
Nominal voltage UN	600 V

GOST	
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### Approvals

GL

### 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

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### Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Coding bolt - HC-CB - 1772722



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

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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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### Crimp contact

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### Accessories

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



Rolled 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>

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



Rolled male contact, single contacts, silver-plated, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

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



Rolled male contact, single contacts, silver-plated, 1.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

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### 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

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### Mounting material

Screw - HC-B-PES - 1604997



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

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### Accessories

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#### 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

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#### 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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#### 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

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#### Plug assembly frame

##### Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

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#### Plug mounting plate

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## Accessories

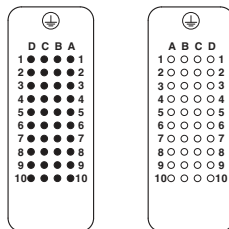
Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973



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

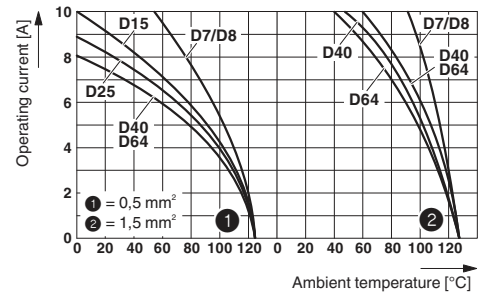
## Drawings

Schematic diagram



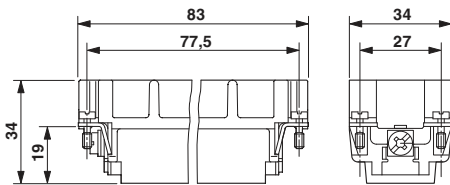
Connector pin assignment, connection side

Diagram



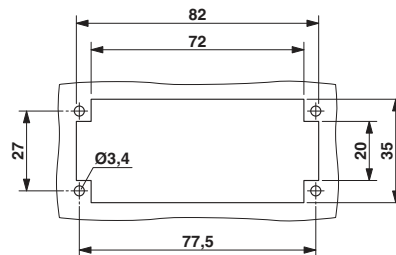
Derating diagram: Series HC-D...C-R

Dimensioned drawing



Male insert

Dimensioned drawing



Panel cutout