

## Contact insert - HC-B 16-ESTQ-2,5-32 - 1605653

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HEAVYCON male insert, B16 series, 16-pos., QUICKON connection, numbering 17-32



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	90.91 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HEAVYCON-ADVANCE housing of B16 type and HEAVYCON housing of B16/B32 type. Encoding using coding profile CP-HC (1686478). HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for four coding profiles. Connectors may only be actuated when there is no load/voltage.
Connection method	QUICKON connection
Pollution degree	3
Surge voltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
Conductor cross section	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	22 ... 14
Wire diameter including insulation	1 mm ... 3.5 mm
Frequency of connections between conductors of the same cross section	10
Assembly instructions	If the conductor is to be reconnected, it must be cut off above the last contact point.

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### General

Connection	For housings of type B16/B32. Connectors may only be actuated when there is no load/voltage.
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### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Ambient temperature (assembly)	-25 °C ... 50 °C

### Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Material wire insulation	PVC / PE

### Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	16 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	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522

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## Classifications

### UNSPSC

UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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### Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

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### Ex Approvals

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### Approvals submitted

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## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

cULus Recognized	
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## Accessories

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#### 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 profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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### Accessories

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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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### 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

Mounting material - HC-B-PES - 1604997



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

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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

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



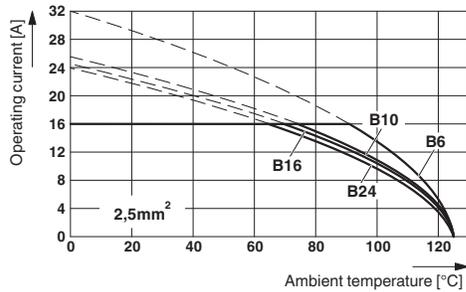
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

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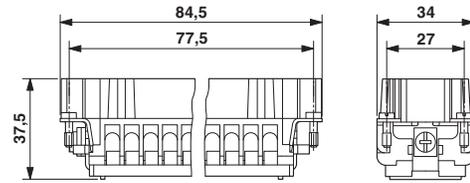
## Accessories

## Drawings

Diagram



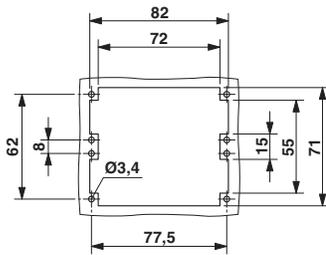
Dimensioned drawing



Male insert

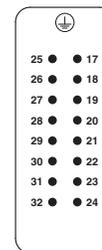
The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm<sup>2</sup>

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side