

## Contact insert - HC-B 16-EBUC 32 - 1775635

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HEAVYCON female insert, B16 series, 16-pos., crimp connection, numbering 17 ... 32



The illustration shows version HC-B 16-EBUS



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 038212
Weight per Piece (excluding packing)	77.08 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HEAVYCON ADVANCE housing of type B16 and HEAVYCON housing of type B16/B32, crimp contacts CK 2,5-ED (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	16+PE

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## Technical data

### General

Insertion/withdrawal cycles	≥ 500
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm
Connection	For housings of type B16/B32. Connectors may only be actuated 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	PA

### Electrical characteristics

Rated voltage (III/3)	500 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

### 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

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Approvals

CSA / GOST

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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	20-13
Nominal current I <sub>N</sub>	16 A
Nominal voltage U <sub>N</sub>	600 V

GOST	
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## Accessories

Accessories

Assembly tool

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### Accessories

Removal tool - CK2,5-EWZ - 1662722



Contact removal tool, for turned CK 2,5... contacts

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### Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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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 mismating of up to six connectors with an identical number of positions

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Dummy socket - CK2,5-ED-BB - 1584693



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.

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### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

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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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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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## Accessories

Plug assembly frame

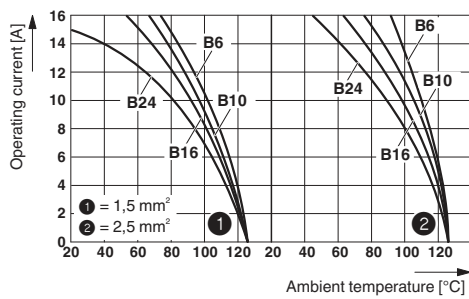
Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

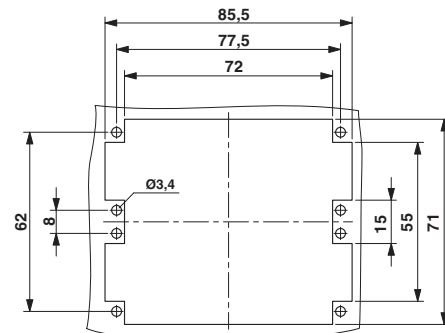
## Drawings

Diagram



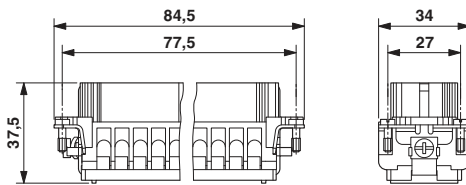
Derating diagram: Series HC-B...S / HC-B...C

Dimensioned drawing



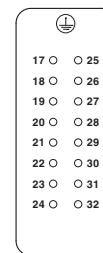
Mounting insert

Dimensioned drawing



Female insert

Schematic diagram



Connector pin assignment, connection side