


## Contact insert - HC-B 16-ESTZ-32 - 1647433

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



### Key commercial data

Packing unit	1 PCE
GTIN	 4 017918 969516
Weight per Piece (excluding packing)	86.2 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
Connection method	Spring-cage connection
Pollution degree	3
Surge voltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm ± 1 mm
Connection	For housings of type B16/B32. Connectors may only be actuated when there is no load/voltage.

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## Technical data

### 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
Contact carrier material	PC

### 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
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

### ETIM

ETIM 3.0	EC000437
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	31261502
UNSPSC 7.0901	31261502
UNSPSC 11	31261502
UNSPSC 12.01	31261502
UNSPSC 13.2	31261502

## Approvals

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## Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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Ex Approvals


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Approvals submitted


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## Approval details

UL Recognized 	
Nominal voltage UN	600 V

cUL Recognized 	
Nominal voltage UN	600 V

GOST 	
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cULus Recognized 	
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## Accessories

Accessories

Coding element

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### Accessories

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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### 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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## 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

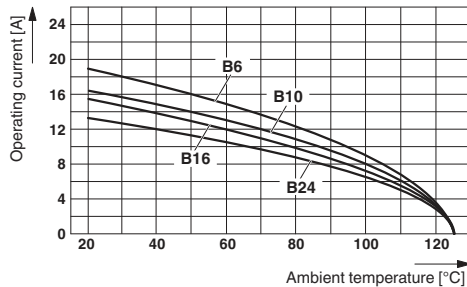
Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

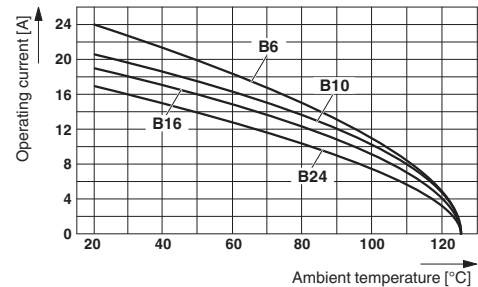
## Drawings

Diagram



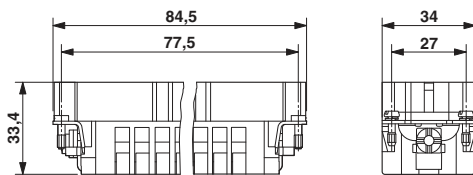
The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 1.5 mm<sup>2</sup>

Diagram



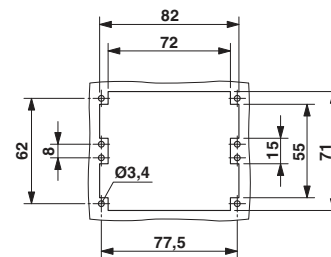
The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm<sup>2</sup>

Dimensioned drawing



Male insert

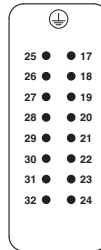
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side