

## 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                                 | <br>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) |
|---------------------------------|------------------------------------------------------|

### 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

### Approvals

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## Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                                                                                 |       |
|-------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
|                                                                                                 |       |
| Nominal voltage UN                                                                              | 600 V |

|                                                                                                    |       |
|----------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
|                                                                                                    |       |
| Nominal voltage UN                                                                                 | 600 V |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|                                                                                          |  |

|                                                                                                      |  |
|------------------------------------------------------------------------------------------------------|--|
| cULus Recognized  |  |
|                                                                                                      |  |

## Accessories

Accessories

Coding element

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

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

### 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

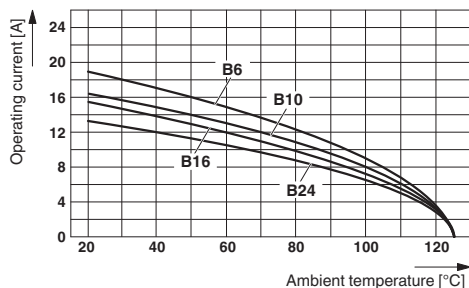
Strain relief clamp - HC-B-ZS - 1685330



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

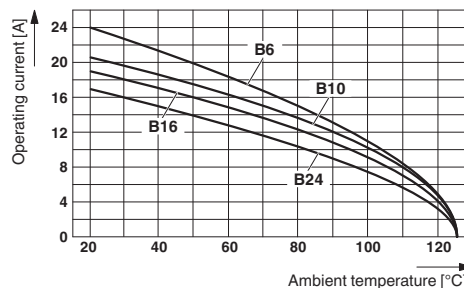
### Drawings

Diagram



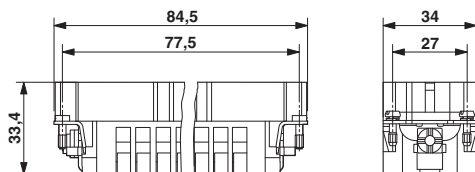
The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 1.5 mm<sup>2</sup>

Diagram



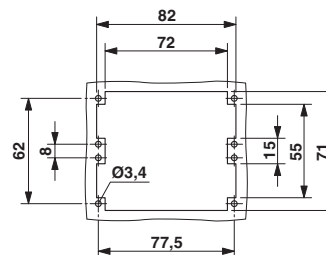
The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm<sup>2</sup>

Dimensioned drawing



Male insert

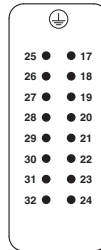
Dimensioned drawing



Panel cutout

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

Schematic diagram



Connector pin assignment, connection side