

# Contact insert - HC-A 16-ESTS - 1677021

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HEAVYCON male insert, A16 series, 16-pos., screw connection



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 10 pc         |
| GTIN         |               |
| GTIN         | 4017918129644 |

## Technical data

### General

|   |  |
|---|--|
| Note                                    | for HC-D25 / HC-D 50 housing   |
| Connection method                       | Screw connection   |
| Tightening torque                       | 0.5 Nm   |
| Degree of pollution                     | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 16+PE  |
| Insertion/withdrawal cycles             | ≥ 500  |
| Size                                    | D25<br>D50   |
| Contact numbering                       | 1 - 16   |
| Conductor cross section                 | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (applies to stranded conductors with ferrules) |
| Connection cross section AWG            | 20 ... 14  |
| Stripping length of the individual wire | 7 mm   |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage.                             |

### Ambient conditions

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

### Material data

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## Technical data

### Material data

|                          |              |
|--------------------------|--------------|
| Contact material         | Copper alloy |
| Contact surface material | Ag           |
| Contact carrier material | PA           |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage   | 4 kV  |
|                       | 4 kV  |
| Rated current         | 16 A  |

### Standards and Regulations

|  |                            |
|--|----------------------------|
| Connection in acc. with standard       | CSA                        |
| 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                  |
| Flammability rating according to UL 94 | V0                         |

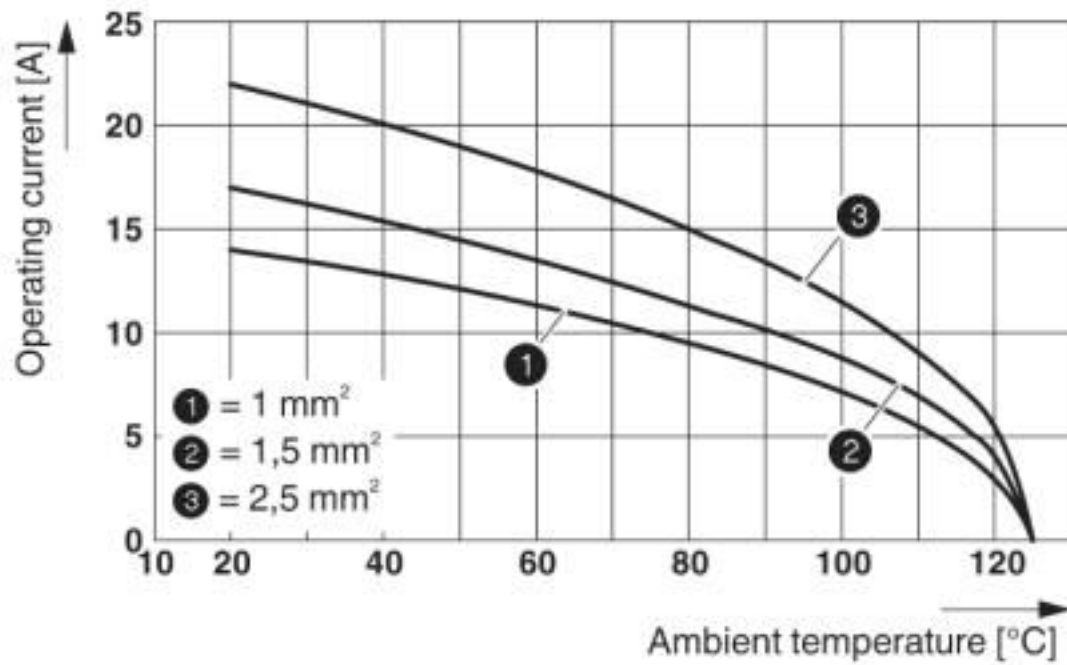
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

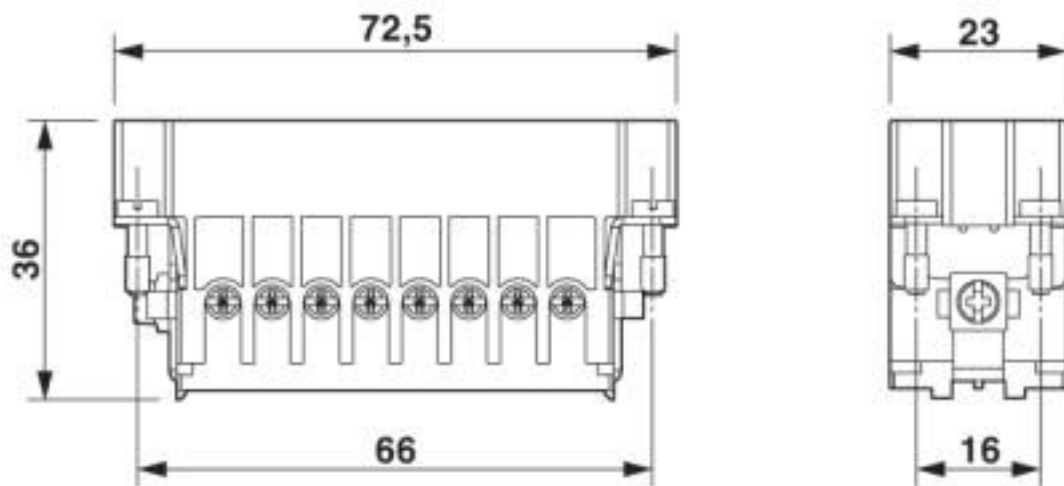
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Diagram



Derating diagram: Series HC-A 16...S

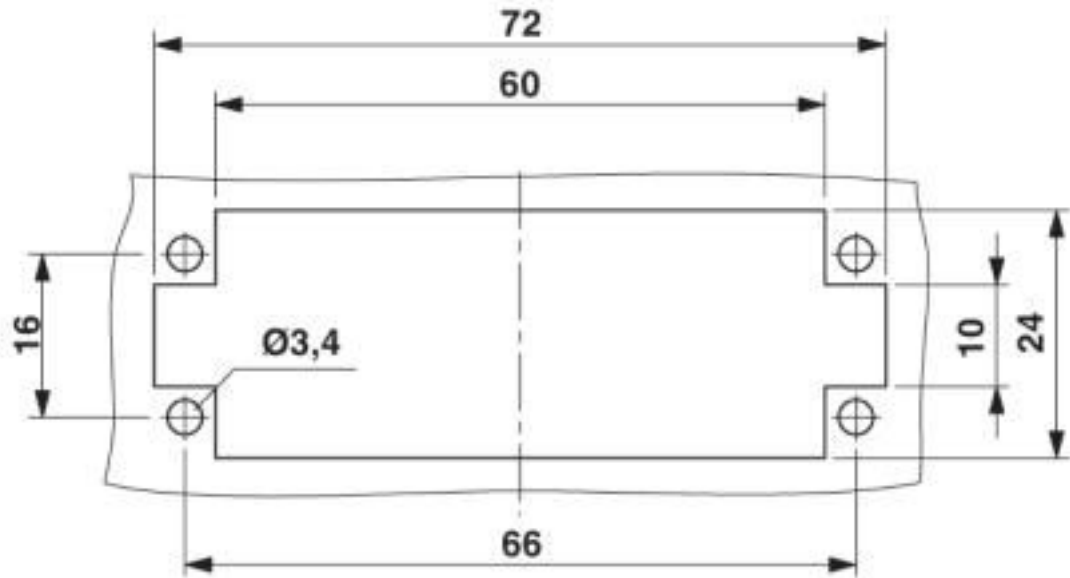
Dimensional drawing



Male insert

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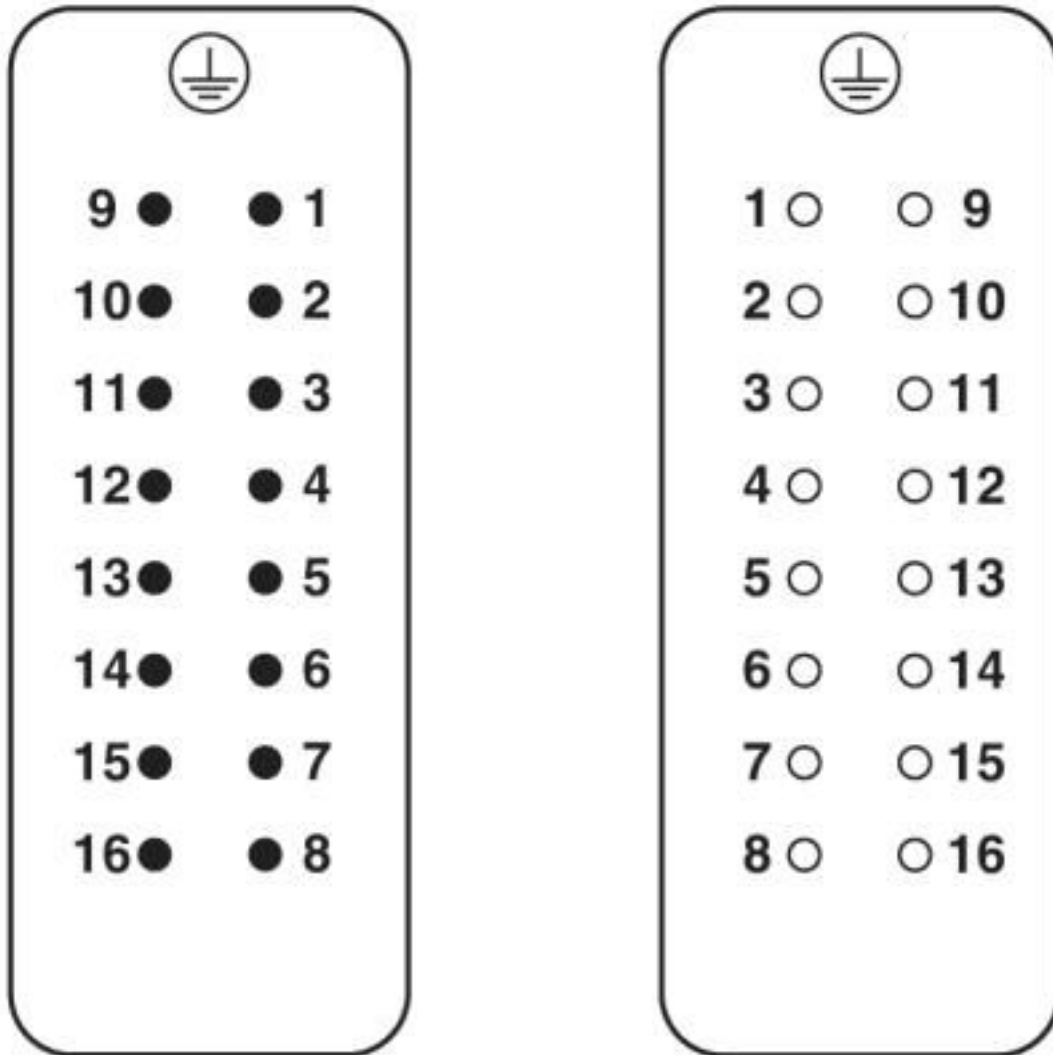
Dimensional drawing



Mounting cutout

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Schematic diagram



Connector pin assignment, connection side

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000438 |
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |
| UNSPSC 19.0   | 39121522 |

## Accessories

### Accessories

#### Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



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

### DIN rail mounting frame

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### Accessories

DIN rail mounting frame - HC-SMR-D25 - 1604023



HEAVYCON DIN rail mounting frame, for contact inserts of type D25

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### Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

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