

## Contact insert - HC-A 16-ESTC-32 - 1677076


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HEAVYCON male insert, A16 series, 16-pos., crimp connection, numbering from 17-32



### Key commercial data

|                                      |  |
|--------------------------------------|--|
| Packing unit                         | 1 PCE  |
| GTIN                                 | <br>4 017918 129699 |
| Weight per Piece (excluding packing) | 40.89 GRM  |
| Custom tariff number                 | 85366990   |
| Country of origin                    | Germany  |

### Technical data

#### General

|  |   |
|--|---|
| Note                                   | For HC-D25 / HC-D 50 housing, crimp contact CK2,5-ED (crimp contacts not included in 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   |
| Insertion/withdrawal cycles            | ≥ 500   |
| Design                                 | D25   |

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## Technical data

### General

|   |  |
|---|--|
| Connection in acc. with standard        | IEC / EN   |
| Conductor cross section                 | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>                     |
| Connection cross section AWG            | 20 ... 12  |
| Stripping length of the individual wire | 8 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

|   |                       |
|---|-----------------------|
| 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) | 250 V |
| Rated surge voltage   | 4 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 | EC000438 |
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 31251501 |
|-------------|----------|

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## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / GOST / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                |       |
|--------------------------------|-------|
| CSA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 20-13 |
| Nominal current I <sub>N</sub> | 10 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| Nominal voltage U <sub>N</sub> | 600 V |

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

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## Approvals

|                            |       |
|----------------------------|-------|
| UL Recognized              |       |
| mm <sup>2</sup> /AWG/kcmil | 20-13 |

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

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

## Accessories

### Accessories

#### Crimp contact

Crimp contact - CK2,5-ED-0,50ST AG - 1663572



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

Crimp contact - CK2,5-ED-0,75ST AG - 1663585



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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### Accessories

Crimp contact - CK2,5-ED-1,00ST AG - 1663598



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-1,50ST AG - 1663608



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-2,50ST AG - 1663611



Turned 2.5 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-3,00ST AG - 1663624



Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-4,00ST AG - 1663637



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-A 16-ESTC-32 - 1677076

### Accessories

Crimp contact - CK2,5-ED-0,50ST AU - 1674804



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-1,00ST AU - 1674781



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.0 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-1,50ST AU - 1674778



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-2,50ST AU - 1674817



Turned 2.5 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-4,00ST AU - 1674794



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm<sup>2</sup>, gold-plated

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## Accessories

- CK2,5-ED-0,37ST AG - 1585650

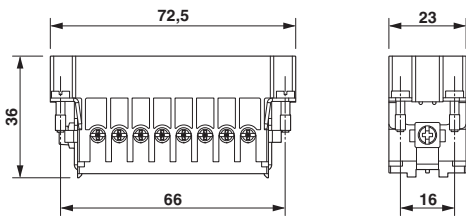


- CK2,5-ED-0,37ST AU - 1585663



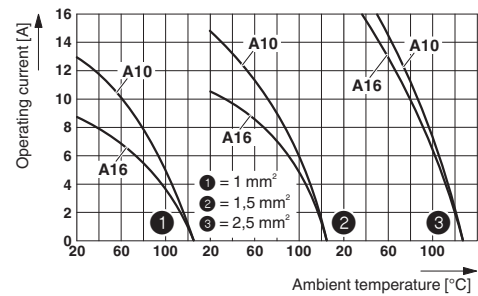
## Drawings

Dimensioned drawing



Male insert

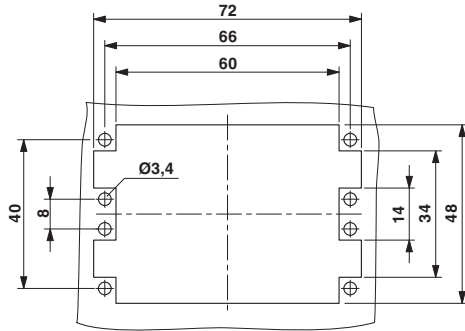
Diagram



Derating diagram: HC-A...C series

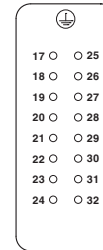
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Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side