

# Contact insert - HC-COM- 4/2-EBUC - 1408517

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HEAVYCON crimp contact insert for compact plastic housing, socket version; 4-pos. + PE supply circuit, 2-pos. control circuit



## Key commercial data

|                                      |                 |
|--------------------------------------|-----------------|
| Packing unit                         | 2 pc            |
| Minimum order quantity               | 2 pc            |
| GTIN                                 | 4 046356 618229 |
| Weight per Piece (excluding packing) | 13.5 g          |
| Custom tariff number                 | 85366990        |
| Country of origin                    | China           |

## Technical data

### General

|                                  |  |
|----------------------------------|--|
| Note                             | For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED... (control circuit)   |
| Connection method                | Signal Crimp connection (Signal contacts)<br>Power Crimp connection (power contacts)   |
| Pollution degree                 | 3  |
| Surge voltage category           | III  |
| Number of positions              | 4+2+PE   |
| No. of power contacts            | 4  |
| No. of control contacts          | 2  |
| Insertion/withdrawal cycles      | ≥ 500  |
| Type                             | COM  |
| Connection in acc. with standard | IEC / EN   |
| Conductor cross section          | Signal 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)<br>Power 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts) |
| Connection cross section AWG     | 16 ... 10 (power contacts)<br>26 ... 14 (control contacts)   |

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## Technical data

### General

|   |  |
|---|--|
| Stripping length of the individual wire | 9 mm (1.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> control circuit) |
|   | 9.6 mm (4 mm <sup>2</sup> - 6 mm <sup>2</sup> control circuit)   |
|   | 8 mm (Control circuit)   |
|   | 6 mm (2.5 mm <sup>2</sup> control circuit)                       |
| Assembly instructions                   | Maximum insulation diameter for power circuit                    |

### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 100 °C (including heating up of contacts) |
|---------------------------------|--|

### Material data

|  |                       |
|--|-----------------------|
| Inflammability class according to UL 94      | V0                    |
| Contact material                             | Copper alloy          |
| Material of contact surface, power contact   | Ag                    |
| Material of contact surface, control contact | Ag (alternatively Au) |
| Contact carrier material                     | PC                    |

### Electrical characteristics

|                                  |   |
|----------------------------------|---|
| Rated voltage for power contacts | 400/690 V                               |
| Rated voltage (III/3)            | 250 V (control contacts)                |
|                                  | 400 V (Phase-ground power contacts)     |
|                                  | 690 V (Phase-phase power contacts)      |
| Rated surge voltage              | Power 6 kV (Phase-phase power contacts) |
|                                  | Signal 4 kV (control contacts)          |
| Rated current                    | 40 A (power contacts)                   |
|                                  | 10 A (control contacts)                 |

## 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 | 27440205 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |

### 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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
| mm <sup>2</sup> /AWG/kcmil     | 16-10 |
| Nominal current I <sub>N</sub> | 40 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
| mm <sup>2</sup> /AWG/kcmil     | 16-10 |
| Nominal current I <sub>N</sub> | 30 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

|     |
|-----|
| EAC |
|-----|

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

## Contact insert - HC-COM- 4/2-EBUC - 1408517

### Accessories

#### Accessories

#### Assembly tool

Assembly tool - CK4,0-EWZ - 1662735



Contact removal tool, for rotated CK-4,0-... contacts

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Contact removal tool - CK2,5-EWZ - 1662722



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

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#### Crimp contact

Crimp contact - CK4,0-ED-1,50BU AG - 1663271



Turned 4.0 crimp contact, individual female contact, core diameter 1.50 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-2,50BU AG - 1663284



Turned 4.0 crimp contact, individual female contact, core diameter 2.50 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-4,00BU AG - 1663297



Turned 4.0 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-COM- 4/2-EBUC - 1408517

### Accessories

Crimp contact - CK4,0-ED-6,00BU AG - 1663307



Turned 4.0 crimp contact, individual female contact, core diameter 6.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,37BU AG - 1663394



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,50BU AG - 1663404



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,75BU AG - 1663417



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-1,00BU AG - 1663420



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-COM- 4/2-EBUC - 1408517

### Accessories

Crimp contact - CK1,6-ED-1,50BU AG - 1663433



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-2,50BU AG - 1663446



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,37BU AU - 1674969



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,50BU AU - 1674480



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,75BU AU - 1672440



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm<sup>2</sup>, gold-plated

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## Contact insert - HC-COM- 4/2-EBUC - 1408517

### Accessories

Crimp contact - CK1,6-ED-1,00BU AU - 1674943



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-1,50BU AU - 1674930



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-2,50BU AU - 1674985



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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### Crimping tool

Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts, 6.0 - 10 mm<sup>2</sup>, square crimp, incl. contact locator

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Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for turned contacts, 0.5 - 4.0 mm<sup>2</sup>, square crimp, incl. contact support

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## Accessories

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...

## Fiber optics contact

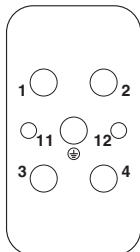
Female contact - CK1,6-ED-BU-POF - 1885004



POF fiber optic socket contact, turned, for contact carriers (HC-DD...I-CT... / HC-M-12-MOD... / HC-M-17-MOD...) of CK1,6-ED... contacts

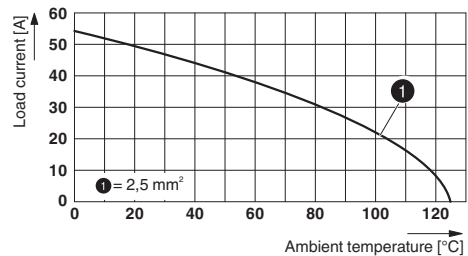
## Drawings

Schematic diagram



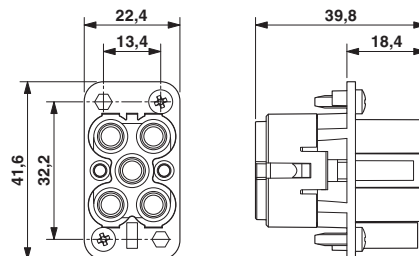
Connector pin assignment, connection side

Diagram



Derating diagram power circuit for 6 mm<sup>2</sup> (control current 10 A)

Dimensioned drawing



HC-COM-4/2-EBUC dimensional drawing