

# 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

<b>package_quantity</b>	2
<b>GTIN</b>	4046356618229

## Technical data

### General

<b>Note</b>	For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED...
<b>Connection method</b>	Signal Crimp connection (Signal contacts)
<b>Connection method</b>	Power Crimp connection (power contacts)
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Number of positions</b>	4+2+PE
<b>No. of power contacts</b>	4
<b>No. of control contacts</b>	2
<b>Insertion/withdrawal cycles</b>	≥ 500
<b>Design</b>	COM
<b>Connection in acc. with standard</b>	IEC / EN
<b>Conductor cross section</b>	Signal 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
<b>Conductor cross section</b>	Power 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
<b>Connection cross section AWG</b>	16 ... 10 (power contacts)
<b>Connection cross section AWG</b>	26 ... 14 (control contacts)
<b>Stripping length of the individual wire</b>	9 mm (1.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> control circuit)
<b>Stripping length of the individual wire</b>	9.6 mm (4 mm <sup>2</sup> - 6 mm <sup>2</sup> control circuit)
<b>Stripping length of the individual wire</b>	8 mm (Control circuit)
<b>Stripping length of the individual wire</b>	6 mm (2.5 mm <sup>2</sup> control circuit)
<b>Assembly instructions</b>	Maximum insulation diameter for power circuit

### Ambient conditions

<b>Ambient temperature (operation)</b>	-40 °C ... 100 °C (including heating up of contacts)
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### Material data

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## Technical data

### Material data

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

### Electrical characteristics

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

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27140816
<b>eCl@ss 4.1</b>	27140816
<b>eCl@ss 5.0</b>	27143424
<b>eCl@ss 5.1</b>	27143424
<b>eCl@ss 6.0</b>	27143424
<b>eCl@ss 7.0</b>	27440209
<b>eCl@ss 8.0</b>	27440209

### ETIM

<b>ETIM 4.0</b>	EC000437
<b>ETIM 5.0</b>	EC000437

### UNSPSC

<b>UNSPSC 6.01</b>	30211923
<b>UNSPSC 7.0901</b>	39121522
<b>UNSPSC 11</b>	39121522
<b>UNSPSC 12.01</b>	39121522
<b>UNSPSC 13.2</b>	39121522

## approvals

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UL Recognized / cUL Recognized / cULus Recognized /

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### Approval details

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## approvals

<b>UL Recognized</b>	
Nominal voltage UN	250 V
Nominal current IN	15 A
mm <sup>2</sup> /AWG/kcmil	22-14

<b>cUL Recognized</b>	
Nominal voltage UN	250 V
Nominal current IN	10.5 A
mm <sup>2</sup> /AWG/kcmil	22-14

<b>cULus Recognized</b>	
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## accessories

### Crimping tool

CRIMPFOX-TC 10 - 1212114



CRIMPFOX-TC 4 - 1212113



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### accessories

CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



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### Assembly tool

CK4,0-EWZ - 1662735



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CK2,5-EWZ - 1662722



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### Fiber optics contact

CK1,6-ED-BU-POF - 1885004



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### Crimp contact

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



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### accessories

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



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



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



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



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



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



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accessories

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



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



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



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



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



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### accessories

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



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



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



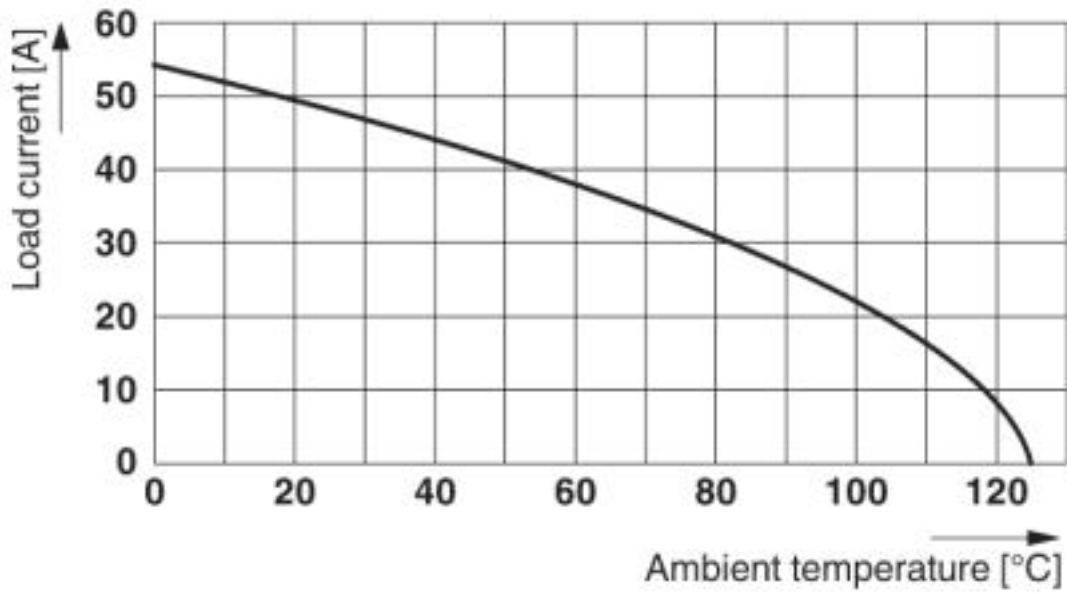
CK1,6-ED-2,50BU AU - 1674985



### Drawings

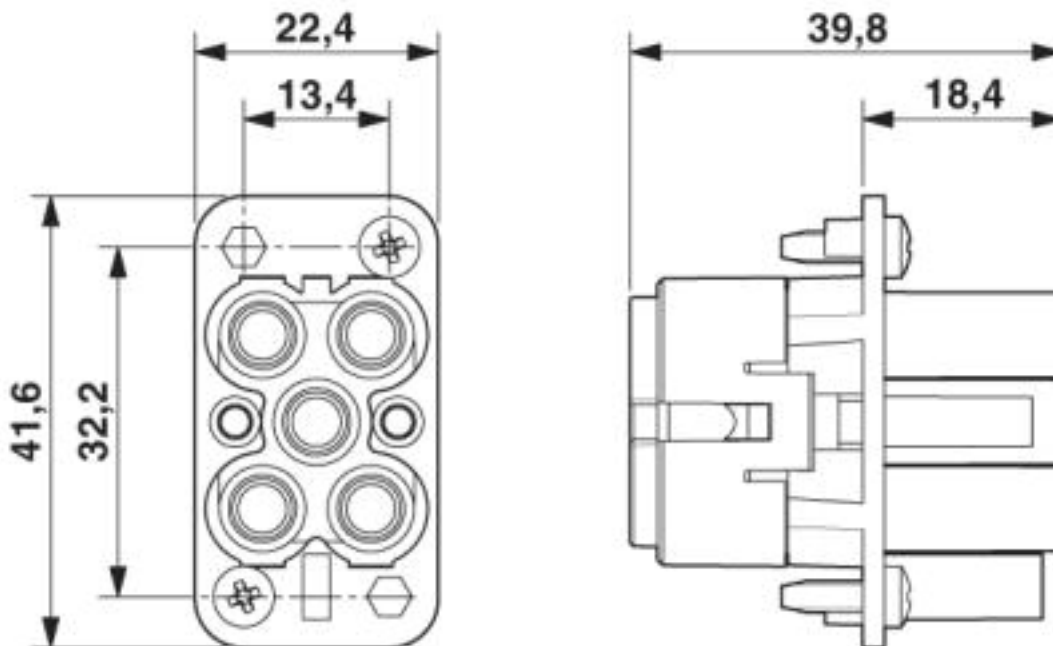
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Diagram



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

Dimensioned drawing

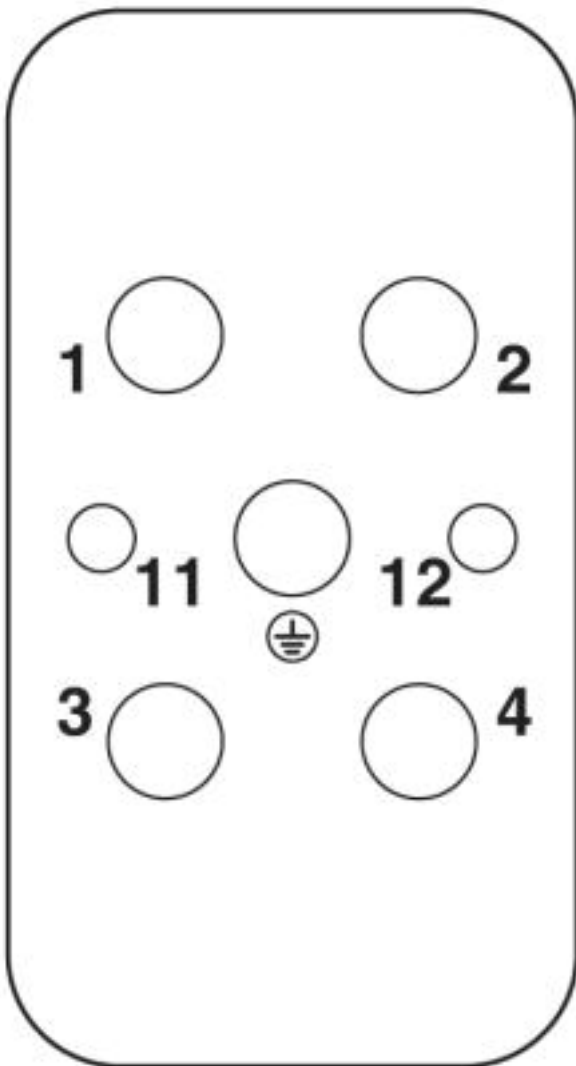


HC-COM-4/2-EBUC dimensional drawing



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Schematic diagram



Connector pin assignment, connection side

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