

# Contact insert - HC-COM- 4/2-ESTC - 1408504

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

## Key commercial data

Packing unit	0
Minimum order quantity	2
Catalog page	Page 590 (PC-2011)
GTIN	 4 046356 618212
Custom tariff number	85366990
Country of origin	CHINA

## Technical data

### General data

Note	For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED... (control circuit)
Connection method	Crimp connection
Ambient temperature (operation)	-40 °C ... 100 °C (including heating up of contacts)
Pollution degree	3
Surge voltage category	III
Insertion/withdrawal cycles	≥ 500
Design	COM
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
Connection cross section AWG	16 ... 10 (power contacts)
Connection cross section AWG	26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (1.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> control circuit)
Stripping length of the individual wire	9.6 mm (4 mm <sup>2</sup> - 6 mm <sup>2</sup> control circuit)
Stripping length of the individual wire	8 mm (Control circuit)
Stripping length of the individual wire	6 mm (2.5 mm <sup>2</sup> control circuit)
Assembly instructions	Maximum insulation diameter for power circuit

### Material data

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## Technical data

### Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (control circuit: alternative Au)
Contact carrier material	PC

### Electrical characteristics

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

## Classifications

### eclass

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

### etim

ETIM 4.0	EC000437
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### unspsc

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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## Approvals

Ex Approvals

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Approvals submitted

### Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-14
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-14
Nominal current I <sub>N</sub>	10.5 A
Nominal voltage U <sub>N</sub>	250 V

cULus Recognized	
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## Accessories

Accessories

Tools

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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## Accessories

Crimping pliers - CRIMPFOX-TC 4 - 1212113



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

Assembly tool - CK4,0-EWZ - 1662735



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

Removal tool - CK2,5-EWZ - 1662722



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

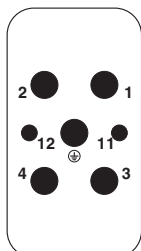
Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

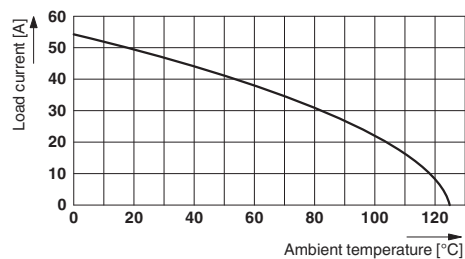
## Drawings

Schematic diagram



Connector pin assignment, connection side

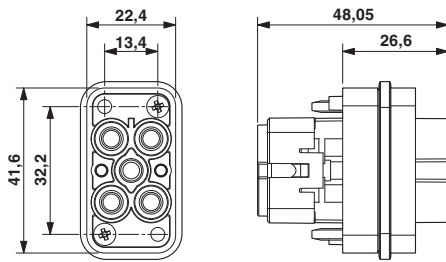
Diagram



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

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Dimensioned drawing



HC-COM-4/2-ESTC dimensional drawing

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