

# 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	2 pc
Minimum order quantity	2 pc
GTIN	 4 046356 618212
Weight per Piece (excluding packing)	21.0 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) 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) Power 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
Connection cross section AWG	16 ... 10 (power contacts) 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)
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### Material data

Inflammability class according to UL 94	V0
Seal material	NBR
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

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## Classifications

### UNSPSC

UNSPSC 6.01	30211923
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
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## Contact insert - HC-COM- 4/2-ESTC - 1408504

### Approvals

cULus Recognized  us

### 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-1,50ST AG - 1663239



Turned 4.0 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-2,50ST AG - 1663242



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

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### Accessories

Crimp contact - CK4,0-ED-4,00ST AG - 1663255



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

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Crimp contact - CK4,0-ED-6,00ST AG - 1663268



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

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Crimp contact - CK1,6-ED-0,37ST AG - 1663336



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

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Crimp contact - CK1,6-ED-0,50ST AG - 1663349



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

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Crimp contact - CK1,6-ED-0,75ST AG - 1663352



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

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### Accessories

Crimp contact - CK1,6-ED-1,00ST AG - 1663365



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

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Crimp contact - CK1,6-ED-1,50ST AG - 1663378



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

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Crimp contact - CK1,6-ED-2,50ST AG - 1663381



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

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Crimp contact - CK1,6-ED-0,37ST AU - 1674901



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

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Crimp contact - CK1,6-ED-0,50ST AU - 1672453



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

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### Accessories

Crimp contact - CK1,6-ED-0,75ST AU - 1674914



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

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Crimp contact - CK1,6-ED-1,00ST AU - 1674888



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

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Crimp contact - CK1,6-ED-1,50ST AU - 1674875



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

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Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Turned 1.6 crimp contact, individual male 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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## 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

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

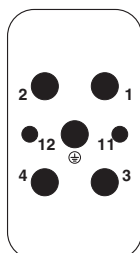
Male contact - CK1,6-ED-ST-POF - 1884995



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

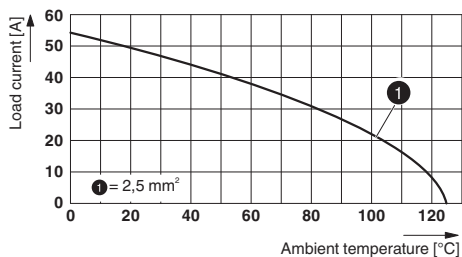
## Drawings

Schematic diagram



Connector pin assignment, connection side

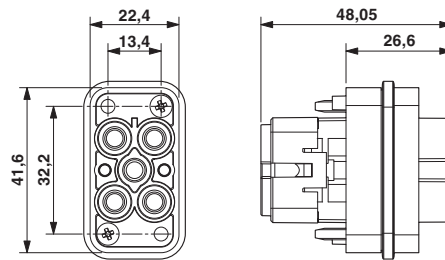
Diagram



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

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

Dimensioned drawing



HC-COM-4/2-ESTC dimensional drawing

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