

# Contact insert - HC-COM- 8-EBUC - 1408494

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HEAVYCON crimp contact insert for compact plastic housing; socket version; 8-pos. + PE

## Product Description

Contact insert, incl. 4 mounting screws



## Key Commercial Data

Packing unit	2 pc
GTIN	 4 046356 618205
GTIN	4046356618205

## Technical data

### General

Note	For crimp contacts CK2,5-ED... Connectors may be operated only when there is no load/voltage.
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	8+PE
No. of power contacts	8
No. of control contacts	0
Insertion/withdrawal cycles	≥ 500
Size	COM
Contact numbering	1 - 8
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

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## Technical data

### General

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
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### Ambient conditions

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

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

### Electrical characteristics

Rated voltage for power contacts	500
Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

### Standards and Regulations

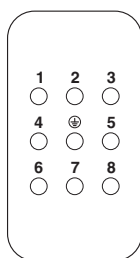
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

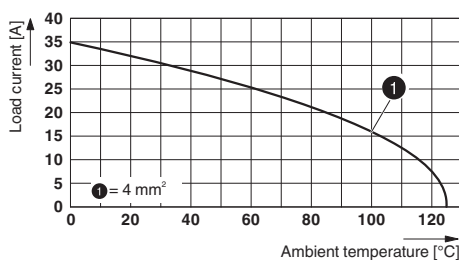
## Drawings

Schematic diagram



Connector pin assignment, connection side

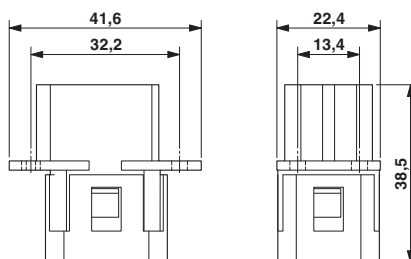
Diagram



Derating diagram for 4 mm²

# Contact insert - HC-COM- 8-EBUC - 1408494

Dimensional drawing



HC-COM-8-EBUC dimensional drawing

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 11.0	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440205

### ETIM

ETIM 4.0	EC000437
ETIM 6.0	EC000438
ETIM 7.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

## Approvals

### Approvals

# Contact insert - HC-COM- 8-EBUC - 1408494


## Approvals


Approvals


CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals


### Approval details


CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	260458
Nominal voltage UN		600 V	
Nominal current IN		19 A	
mm²/AWG/kcmil		20-12	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN		600 V	
mm²/AWG/kcmil		20-12	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN		600 V	
mm²/AWG/kcmil		20-12	

EAC			RU C- DE.AI30.B.01102
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EAC			RU C- DE.BL08.B.00511
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cULus Recognized			
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## Contact insert - HC-COM- 8-EBUC - 1408494

### Accessories

#### Accessories

#### Coding element

Dummy socket - CK2,5-ED-BB - 1584693



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.

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### Crimp contact

Crimp contact - CK2,5-ED-0,50BU AG - 1663640



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.5 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, AWG 20

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Crimp contact - CK2,5-ED-0,75BU AG - 1663653



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

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Crimp contact - CK2,5-ED-1,00BU AG - 1663666



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

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Crimp contact - CK2,5-ED-1,50BU AG - 1663679



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

## Contact insert - HC-COM- 8-EBUC - 1408494

### Accessories

Crimp contact - CK2,5-ED-2,50BU AG - 1663682



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

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Crimp contact - CK2,5-ED-3,00BU AG - 1663695



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: hard-silver plated, connection cross section: 3 mm<sup>2</sup> ... 3 mm<sup>2</sup>, AWG 12

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Crimp contact - CK2,5-ED-4,00BU AG - 1663705



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 4 mm<sup>2</sup> ... 4 mm<sup>2</sup>, AWG 12

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Crimp contact - CK2,5-ED-0,50BU AU - 1674859



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

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Crimp contact - CK2,5-ED-1,00BU AU - 1674833



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

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## Contact insert - HC-COM- 8-EBUC - 1408494

### Accessories

Crimp contact - CK2,5-ED-1,50BU AU - 1674820



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, AWG 16

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Crimp contact - CK2,5-ED-2,50BU AU - 1674862



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, AWG 14

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Crimp contact - CK2,5-ED-4,00BU AU - 1674846



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

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### Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

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### Universal tools

Contact removal tool - UNIFOX RT-CK 2.5 - 1072067



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

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## Contact insert - HC-COM- 8-EBUC - 1408494

### Accessories

Crimp contact - CK2,5-ED-0,37BU AU - 1585647



Crimp contact, connection method: Crimp connection, connection cross section: AWG 22- 26

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### Additional products

Contact insert - HC-COM- 8-ESTC - 1408481



HEAVYCON crimp contact insert for compact plastic housing; male connector version; 8-pos. + PE

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