

# Contact insert - HC-K 8/24-ESTC - 1636318

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HEAVYCON male insert, K8/24 series, for 8 power and 24 control contacts, crimp connection



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 011457
Weight per Piece (excluding packing)	55.0 g
Custom tariff number	85366990
Country of origin	Romania

## Technical data

### General

Note	For housing HC-B10, power contacts: CK 2,5-ED, control contacts: CK 1,6-ED (crimp contacts not included in scope of delivery)
Connection method	Crimp connection (power contacts) Crimp connection (Signal contacts)
Pollution degree	3
Surge voltage category	III
Number of positions	8+24+PE
No. of power contacts	8
No. of control contacts	24
Insertion/withdrawal cycles	≥ 500
Type	B10
Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (power contacts) 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Connection cross section AWG	20 ... 12 (power contacts) 26 ... 14 (control contacts)
Stripping length of the individual wire	7.5 mm (power contacts) 8 mm (Control contacts, for 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> cross section)

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## Technical data

### General

	6 mm (Control contacts, with a cross section of 2.5 mm <sup>2</sup> )
Assembly instructions	- Dismantling of CK2,5-ED power contacts... using a size 0 Phillips screwdriver (DIN 5260).
Connection	Connectors may be plugged in only when there is no load/voltage.

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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### Material data

Inflammability class according to UL 94	V0
Contact material	Cu alloy
Material of contact surface, power contact	Ag (alternat. Au)
Material of contact surface, control contact	Ag (alternatively Au)
Contact carrier material	PA

### Electrical characteristics

Rated voltage for power contacts	230/400 V
Rated voltage (III/3)	Power 230 V (Conductor-PE)
	Signal 160 V
	Power 400 V (Conductor-Conductor)
Rated surge voltage	4 kV (power contacts)
	2.5 kV (control contacts)
Rated current	16 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 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

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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

CSA / UL Recognized / EAC

#### Ex Approvals

#### Approvals submitted

## Approval details

CSA	
mm <sup>2</sup> /AWG/kcmil	20-12
Nominal current IN	16 A
Nominal voltage UN	600 V

UL Recognized	
Nominal voltage UN	600 V

EAC
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## Accessories

### Accessories

Crimp contact

## Contact insert - HC-K 8/24-ESTC - 1636318

### Accessories

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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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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## Contact insert - HC-K 8/24-ESTC - 1636318

### Accessories

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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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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## Contact insert - HC-K 8/24-ESTC - 1636318

### Accessories

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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Crimp contact - CK2,5-ED-0,50ST AG - 1663572



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

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Crimp contact - CK2,5-ED-0,75ST AG - 1663585



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

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Crimp contact - CK2,5-ED-1,00ST AG - 1663598



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

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## Contact insert - HC-K 8/24-ESTC - 1636318

### Accessories

Crimp contact - CK2,5-ED-1,50ST AG - 1663608



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-2,50ST AG - 1663611



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

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Crimp contact - CK2,5-ED-3,00ST AG - 1663624



Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK2,5-ED-4,00ST AG - 1663637



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

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Crimp contact - CK2,5-ED-0,50ST AU - 1674804



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

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## Contact insert - HC-K 8/24-ESTC - 1636318

### Accessories

Crimp contact - CK2,5-ED-1,00ST AU - 1674781



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

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Crimp contact - CK2,5-ED-1,50ST AU - 1674778



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK2,5-ED-2,50ST AU - 1674817



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

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Crimp contact - CK2,5-ED-4,00ST AU - 1674794



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

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### 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

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## Accessories

- CK2,5-ED-0,37ST AG - 1585650

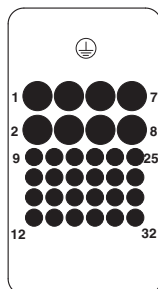


- CK2,5-ED-0,37ST AU - 1585663



## Drawings

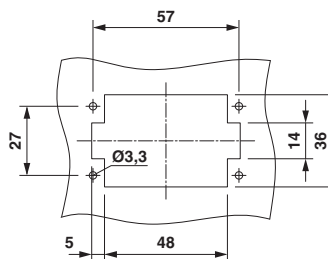
Schematic diagram



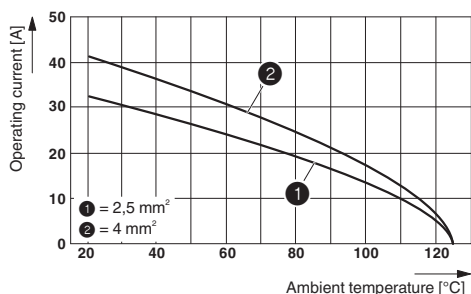
Panel cutout

Connector pin assignment, connection side

Dimensioned drawing

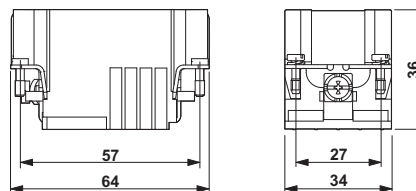


Diagram



Derating diagram

Dimensioned drawing



Dimensional drawing