

## Contact insert - HC-K 6/36-ESTC - 1636376


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HEAVYCON male insert, K6/36 series, for 6 power and 36 control contacts, crimp connection



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 011518
Weight per Piece (excluding packing)	66.8 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B16/B32, power contacts: CK 4,0-ED, control contacts: CK 1,6-ED (crimp contacts not supplied as standard)
Connection method	Crimp connection (power contacts) Crimp connection (control contacts)
Pollution degree	3
Surge voltage category	III
Number of positions	6+36+PE
No. of power contacts	6
No. of control contacts	36
Insertion/withdrawal cycles	≥ 500
Type	B16
Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts) 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Connection cross section AWG	16 ... 10 (power contacts) 26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (Power contacts, with a cross section of 1.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> )

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## Technical data

### General

	8 mm (Control contacts, with a cross section of 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> )
	9.5 mm (power contacts, with a cross section of 4 mm <sup>2</sup> ... 6 mm <sup>2</sup> )
	6 mm (Control contacts, with a cross section of 2.5 mm <sup>2</sup> )
Wire diameter including insulation	5 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Material data

Inflammability class according to UL 94	V0
Contact material	Cu 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 (III/3)	690 V (power contacts)
	160 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	2.5 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 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

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## Classifications

### UNSPSC

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	13-9
Nominal current I <sub>N</sub>	40 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized	
Nominal voltage U <sub>N</sub>	600 V

EAC
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## Accessories

Accessories

Crimp contact

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### 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 6/36-ESTC - 1636376

### 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 6/36-ESTC - 1636376

### 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 - 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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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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## Accessories

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

Crimp contact - CK4,0-ED-10,00ST AG - 1586198



Turned 4.0 crimp contact, single male contact, 10 mm<sup>2</sup> conductor cross section, silver-plated

## Fiber optics contact

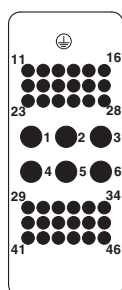
Male contact - CK1,6-ED-ST-POF - 1884995



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

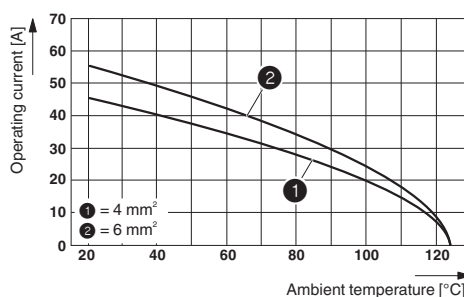
## Drawings

Schematic diagram



Connector pin assignment, connection side

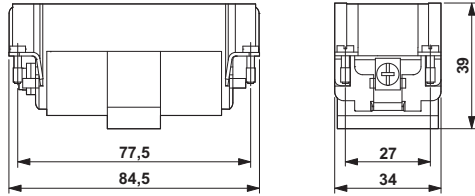
Diagram



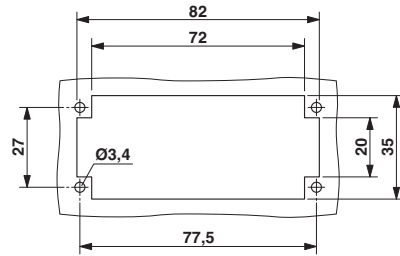
Derating curve

# Contact insert - HC-K 6/36-ESTC - 1636376

Dimensioned drawing



Dimensioned drawing



Dimensional drawing

Panel cutout