

## 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
Weight per Piece (excluding packing)	68.3 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)
Degree of pollution	3
Overvoltage category	III
Number of positions	6+36+PE
No. of power contacts	6
No. of control contacts	36
Insertion/withdrawal cycles	≥ 500
Size	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)

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## Technical data

### General

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> )
	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

Flammability rating 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)

### Standards and Regulations

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

## 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
eCl@ss 9.0	27440205

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## Classifications

### 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
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / EAC / GL

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#### Ex Approvals

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#### Approvals submitted

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## 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

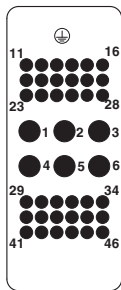
# Contact insert - HC-K 6/36-ESTC - 1636376

## Approvals

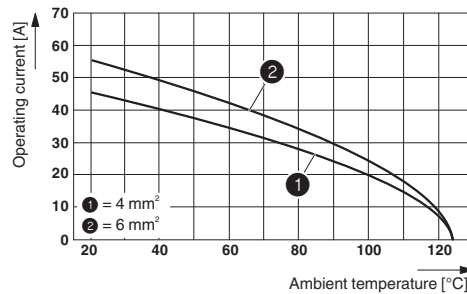
UL Recognized	
Nominal voltage UN	600 V
EAC	
GL	

## Drawings

Schematic diagram



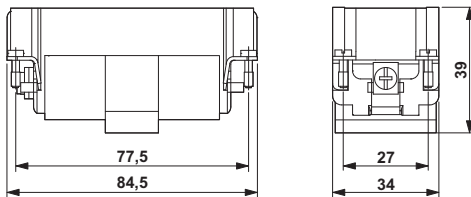
Diagram



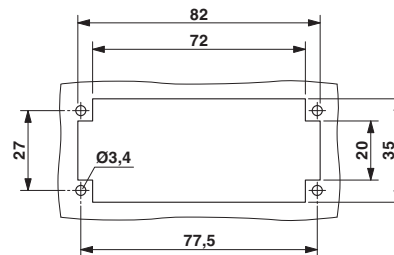
Connector pin assignment, connection side

Derating curve

Dimensional drawing



Dimensional drawing



Dimensional drawing

Panel cutout