



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Contact insert - HC-HV06-I-PT-M - 1407740

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HEAVYCON pin insert, HV6 series, 6-pos. + 2 switching contacts + PE, 830 V, push-in connection

### Product Features

- ✓ For fast coding with plastic profile
- ✓ Conductor connection without tools
- ✓ Significant time savings during conductor connection
- ✓ Test connection for 2 mm test plug
- ✓



### Key commercial data

Packing unit	1 pc
Custom tariff number	85389099
Country of origin	China

### Technical data

#### General

Connection method	Push-in connection (power contacts)
	Push-in connection (control contacts)
Pollution degree	3
Surge voltage category	III
Number of positions	6+2+PE
No. of power contacts	6
No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Type	B16
Conductor cross section	0.14 mm² ... 2.5 mm² (power contacts)
	0.14 mm² ... 2.5 mm² (control contacts)

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## Technical data

### General

Connection cross section AWG	26 ... 14 (power contacts)
	26 ... 14 (control contacts)
Stripping length	8 mm ... 10 mm (power contacts)
	8 mm ... 10 mm (control contacts)
Assembly instructions	Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
Connection	Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.

### 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	Copper alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag
Contact carrier material	PA

### Electrical characteristics

Rated voltage (III/3)	830 V (power contacts)
	500 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	16 A (power contacts)
	16 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 3.0	EC000437
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### Classifications

#### ETIM

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


Approvals


CSA / UL Recognized / EAC

Ex Approvals

Approvals submitted

#### Approval details

CSA 	
mm²/AWG/kcmil	14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	800 V

UL Recognized 	
mm²/AWG/kcmil	14

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Approvals

Nominal current IN	13 A
Nominal voltage UN	800 V

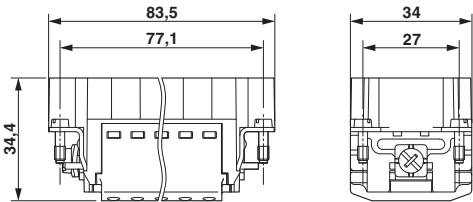
EAC
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Drawings

Diagram

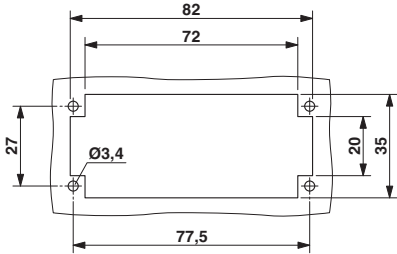
Derating  
diagram  
for  
2.5 mm²

Dimensional drawing



Dimensional drawing

Dimensional drawing

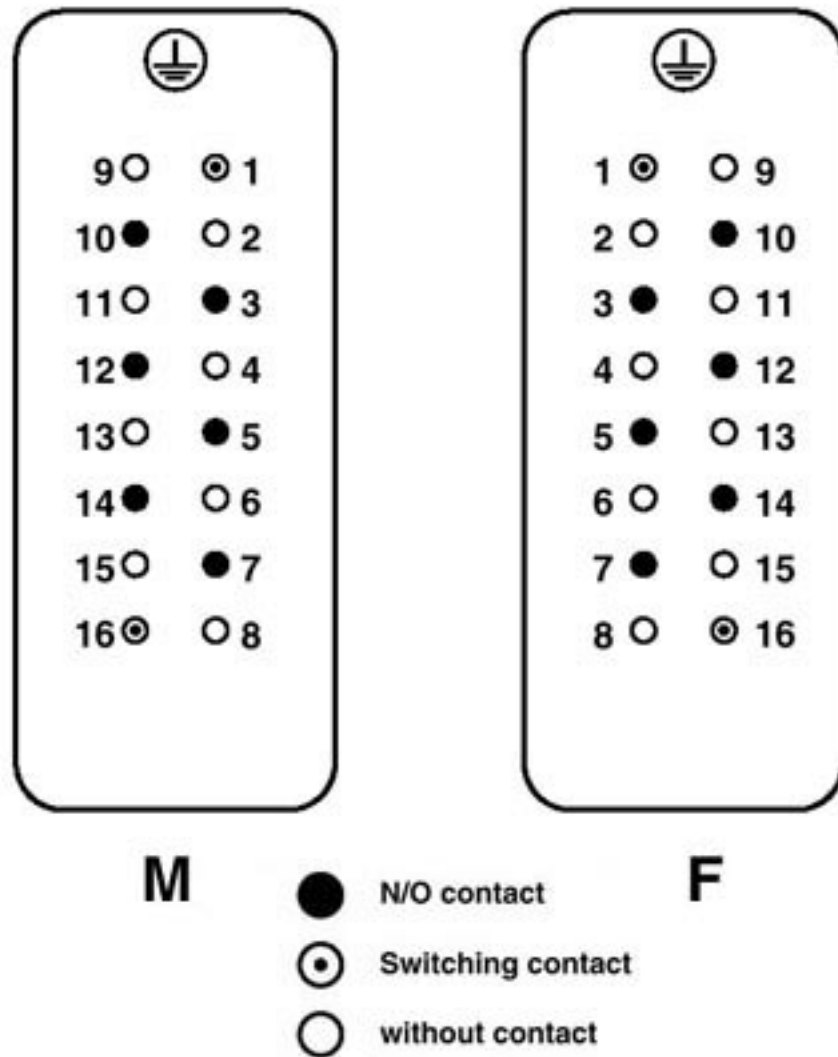


Panel cutout



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Schematic diagram



View termination side