

## Contact insert - HC-K12/ 2-ESTC - 1636334

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

HEAVYCON male insert, K12/2 series, for 12 power and 2 control contacts, crimp connection



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	75.3 GRM
Custom tariff number	85366990
Country of origin	Romania

### 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	12+2+PE
No. of power contacts	12
No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Design	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)

# Contact insert - HC-K12/ 2-ESTC - 1636334

## 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> )

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

### 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)
	250 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	4 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	27440209

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

# Contact insert - HC-K12/ 2-ESTC - 1636334

## 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 / GOST

---

#### Ex Approvals

---

#### Approvals submitted

---

## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	13-8
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

## Contact insert - HC-K12/ 2-ESTC - 1636334

### Approvals



### Accessories

#### Accessories

#### Crimp contact

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

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

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

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

## Contact insert - HC-K12/ 2-ESTC - 1636334

### Accessories

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

---

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

---

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

---

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

---

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

---

## Contact insert - HC-K12/ 2-ESTC - 1636334

### Accessories

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

---

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

---

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

---

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

---

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

---

## Contact insert - HC-K12/ 2-ESTC - 1636334

### Accessories

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

---

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



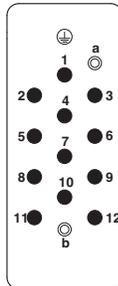
Fiber optic pin contact POF, turned, for contact carriers of CK1,6-ED... contacts

---

### Drawings

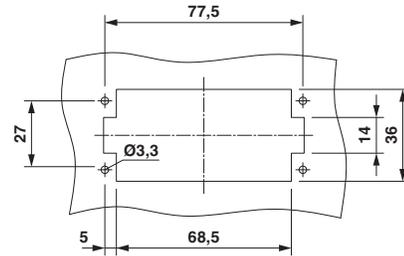
# Contact insert - HC-K12/ 2-ESTC - 1636334

Schematic diagram



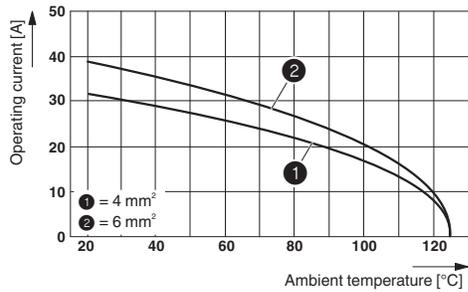
Connector pin assignment, connection side

Dimensioned drawing



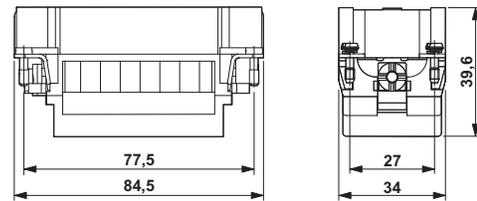
Panel cutout

Diagram



Derating diagram

Dimensioned drawing



Dimensional drawing