

## HC-K12/ 2-ESTC

Order No.: 1636334



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1636334>

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

Commercial data	
EAN	4046356011471
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.0753 KG
Catalog page information	Page 447 (PC-2009)

#### Product notes

WEEE/RoHS-compliant since:  
10/15/2007



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

### General data

Note	For housing HC-B16, power contacts: CK 4,0-ED, control contacts: CK 1,6-ED (crimp contacts not included in scope of delivery)
Connection method	Crimp connection (power contacts)
	Crimp connection (control contacts)
Ambient temperature (operation)	-40 °C ... 125 °C
Pollution degree	3
Surge voltage category	III
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)
Stripping length of the individual wire	9 mm (Power contacts, with a cross section of 1.5-2.5 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 4-6 mm <sup>2</sup> )
	6 mm (Control contacts, with a cross section of 2.5 mm <sup>2</sup> )

### Material data

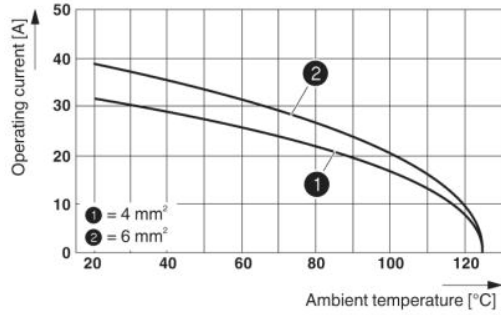
Inflammability class acc. to UL 94	V0
Contact material	Cu alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag (alternatively Au)
Contact carrier material	PC

### Electrical characteristics

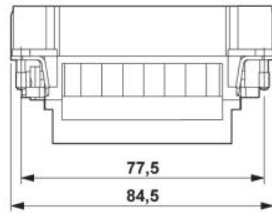
Rated voltage (III/3)	690 V (power contacts)
	250 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	4 kV (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)

## Drawings

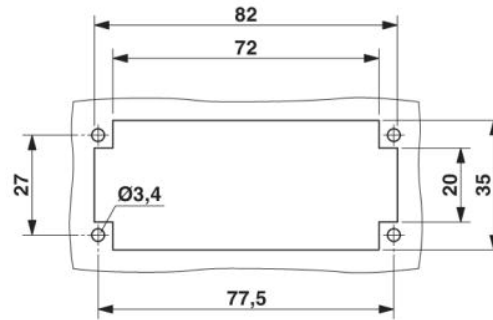
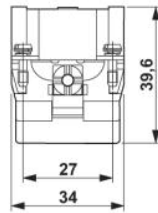
### Diagram



### Dimensioned drawing



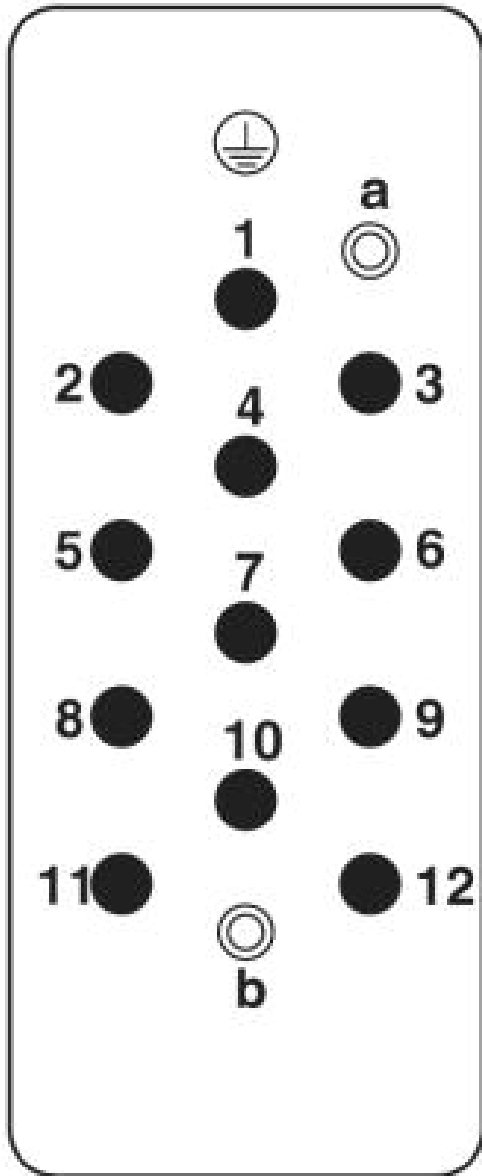
Male insert



Panel cutout

Schematic diagram

---



**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



© 2009 Phoenix Contact  
Technical modifications reserved;