

## HC-K 6/36-EBUC

Order No.: 1636389



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1636389>

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

### Commercial data

EAN	4046356011525
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.0781 KG
Catalog page information	Page 447 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
01/01/2008



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## 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 (1.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> )
	8 mm (0.14 - 1.5 mm <sup>2</sup> )
	9.5 mm (4 - 6 mm <sup>2</sup> )
	6 mm (2.5 mm <sup>2</sup> )
Wire diameter including insulation	5 mm

### Material data

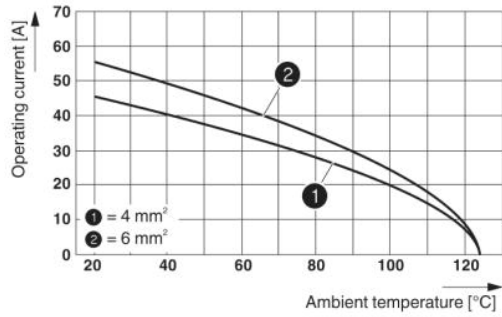
Inflammability class acc. to UL 94	V0
Contact material	Cu alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag (alternatively Au)
Contact carrier material	PC

### Electrical characteristics

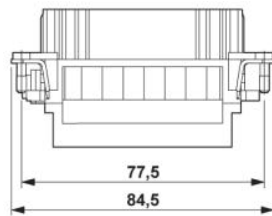
Rated voltage (III/3)	690 V (power contacts)
	160 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	2.5 kV (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)

## Drawings

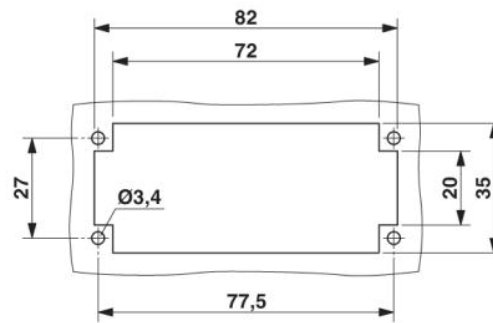
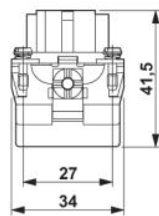
### Diagram



### Dimensioned drawing



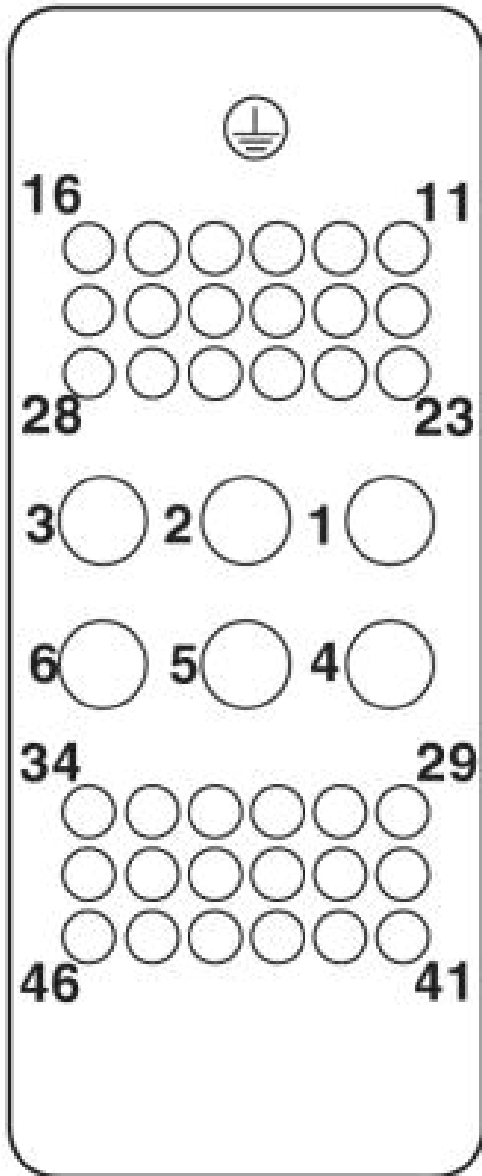
Female insert



Panel cutout

Schematic diagram

Connector pin assignment



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