

# HC-K 6/ 6 ESTS - Contact insert



1636392

<https://www.phoenixcontact.com/us/products/1636392>

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Contact insert, number of positions: 6+6+PE, size: B24, power contacts: 6, control contacts: 6, Pin, Axial screw connection, 690 V, 100 A, 16 mm<sup>2</sup> ... 35 mm<sup>2</sup>, application: Power/signal

## Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

## Commercial data

Item number	1636392
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABA
GTIN	4046356180313
Weight per piece (including packing)	284.2 g
Weight per piece (excluding packing)	284.2 g
Customs tariff number	85366990
Country of origin	DE



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	24 ... 13 (control contacts)
Tightening torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
	6 Nm (Power contacts for 16 mm <sup>2</sup> )
	7 Nm (Power contacts for 25 mm <sup>2</sup> )
	0.8 Nm (control contacts)
Stripping length of the individual wire	8 Nm (Power contacts for 35 mm <sup>2</sup> )
	13 mm ±1 mm (Power)
	7.5 mm (Signal)

## Electrical properties

Rated voltage (III/3)	690 V (power contacts)
	400 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	100 A (power contacts)
	16 A (control contacts)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Cu alloy
Contact carrier material	PC
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag

## Environmental and real-life conditions

### Ambient conditions

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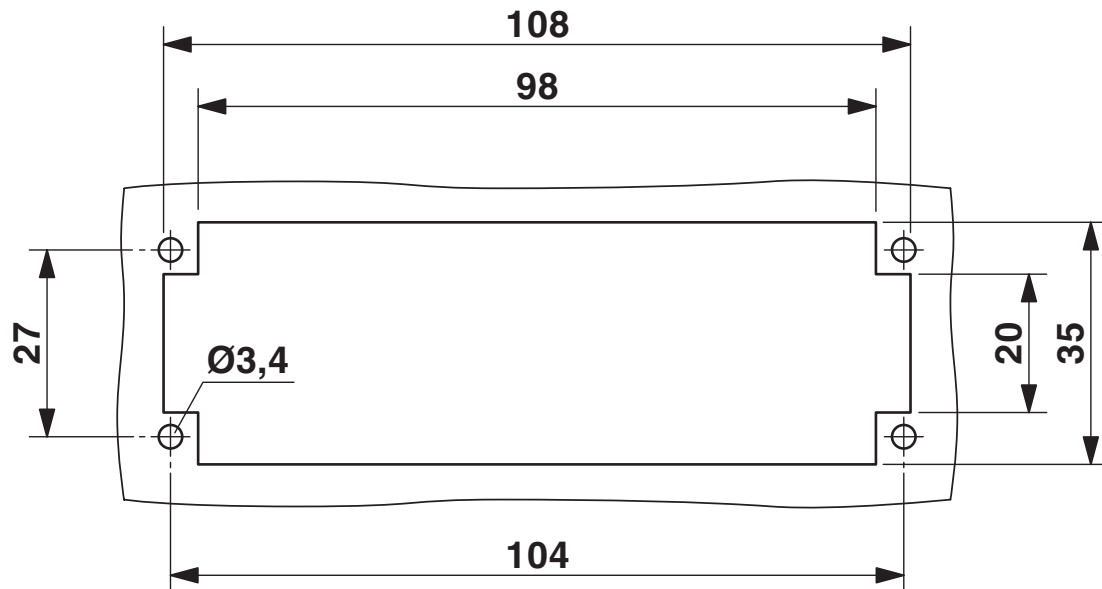
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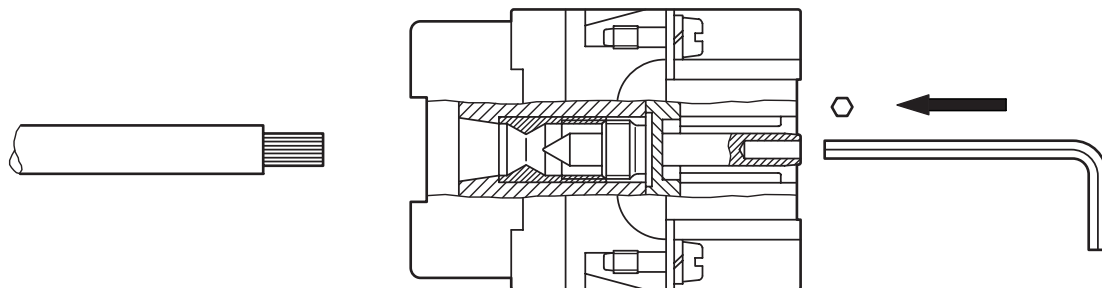
## Drawings

Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Axial connection

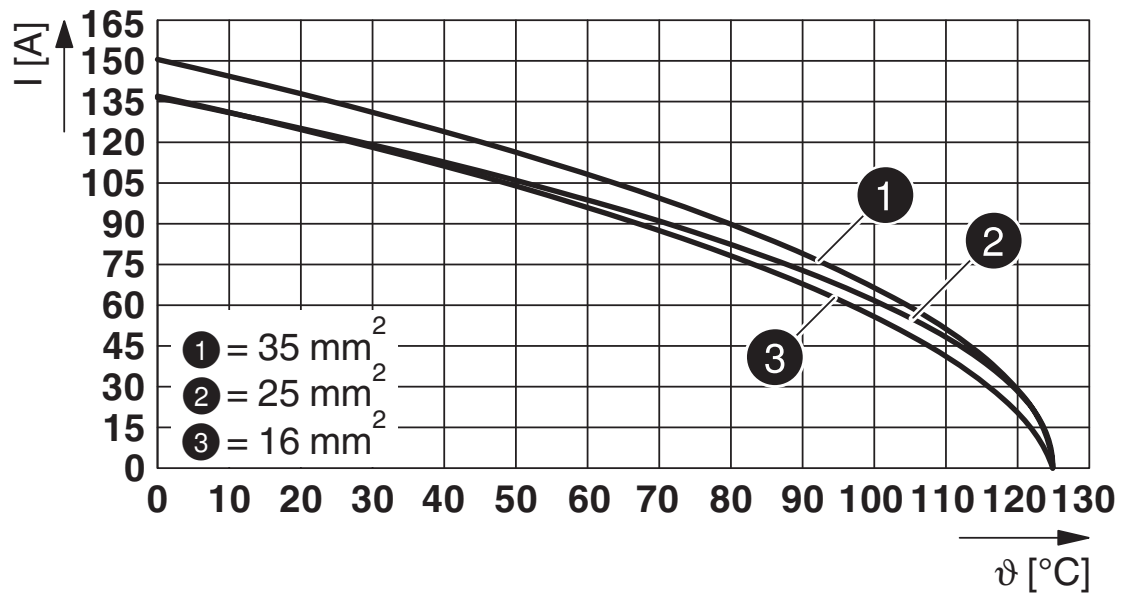
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Diagram



Derating diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1636392>

 <b>UL Recognized</b> Approval ID: E118976		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine					
Power		600 V	100 A	- 2	-
Control		600 V	16 A	14	-

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## Classifications

### ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

### ETIM

ETIM 10.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	13.2 kg CO2e
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