

## Contact insert - HC-K 6/ 6 ESTS - 1636392

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HEAVYCON pin insert, K6/6 series, for 6 power and 6 control contacts and PE, axial screw connection (power contacts)/screw connection (control contacts)



COMPLETE™

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	 4 046356 180313
GTIN	4046356180313
Weight per Piece (excluding packing)	280.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of type B24, with third-party logo
	Connectors may be operated only when there is no load/voltage.
Connection method	Axial screw connection (power contacts) Screw connection (control contacts)
Tightening torque	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) 8 Nm (Power contacts for 35 mm <sup>2</sup> )
Torque	0.8 Nm ... 1.2 Nm (PE connection)

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## Technical data

### General

	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Degree of pollution	3
Overvoltage category	III
Number of positions	6+6+PE
No. of power contacts	6
No. of control contacts	6
Insertion/withdrawal cycles	≥ 500
Size	B24
	B48
Contact numbering	1 - 6
Conductor cross section	16 mm <sup>2</sup> ... 35 mm <sup>2</sup> (power contacts)
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Connection cross section AWG	5 ... 2 (power contacts)
	24 ... 13 (control contacts)
Stripping length of the individual wire	13 mm ±1 mm (Power)
	7.5 mm (Signal)
Wire diameter including insulation	11.4 mm (max., power contacts)
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

### Ambient conditions

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

Contact material	Cu alloy
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Ag
Contact carrier material	PC

### Electrical characteristics

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)

### Standards and Regulations

Connection in acc. with standard	CSA
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## Technical data

### Standards and Regulations

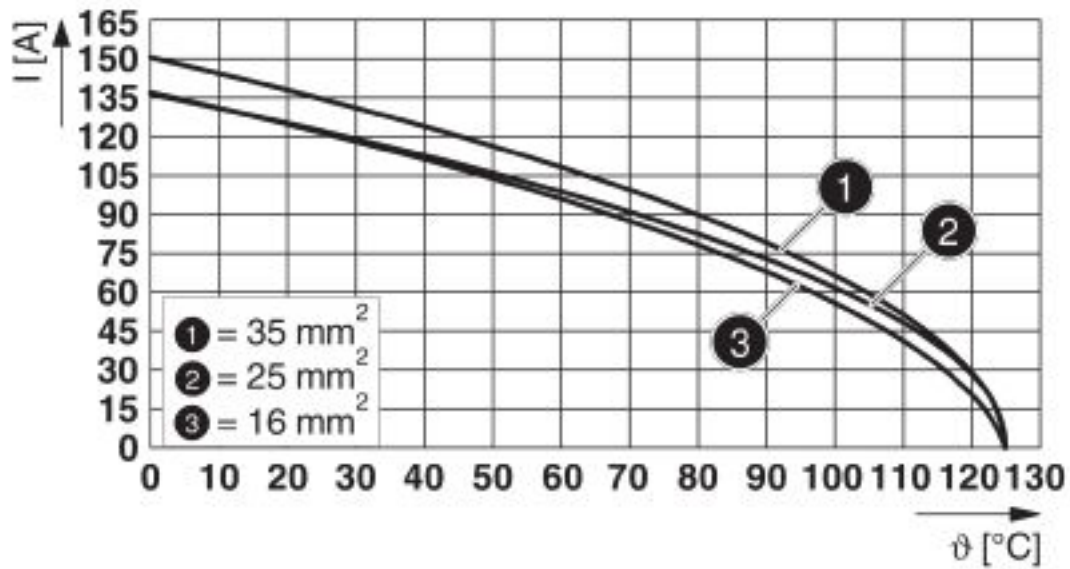
Flammability rating according to UL 94	V0
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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

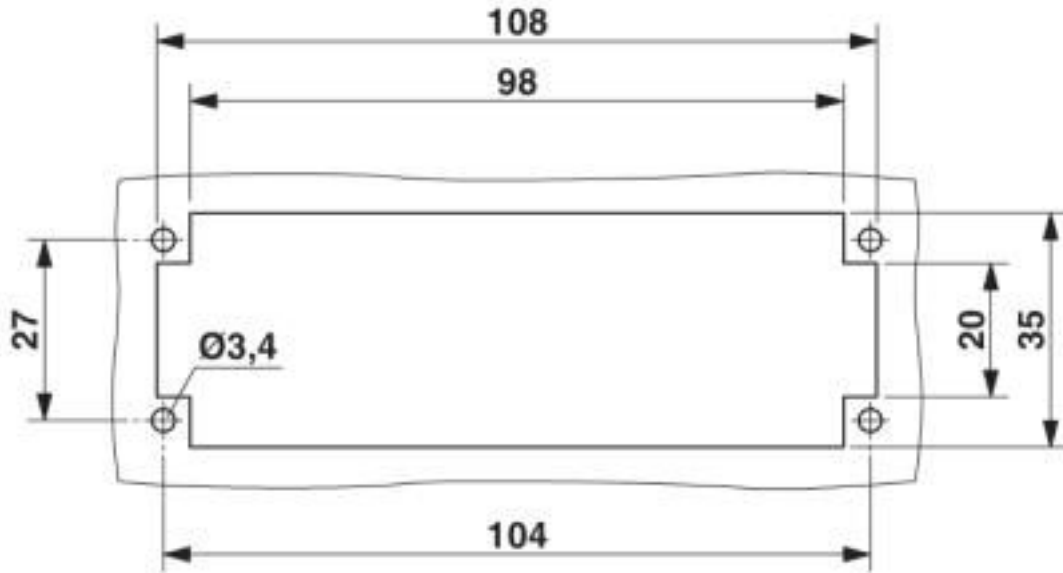
Diagram



Derating diagram

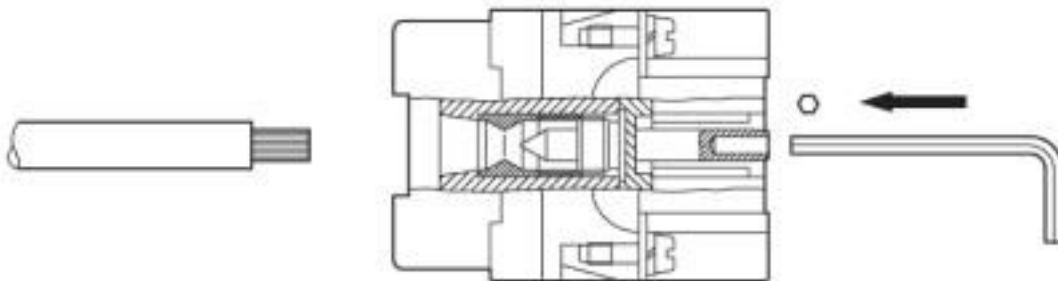
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Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Axial connection

### Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200

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## Classifications

### eCl@ss

eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

## Approvals

### Approvals

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Approvals


EAC / UL Recognized

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Ex Approvals

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### Approval details

EAC		RU C- DE.BL08.B.00511
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## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN	600 V		
Nominal current IN	16 A		
mm <sup>2</sup> /AWG/kcmil	14		

## Accessories

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#### Screwdriver tools

Screwdriver - SF-SL 0,6X3,5-100 S-VDE - 1212587



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

#### Socket spanner

Screwdriver - SF-THEX 2-100 - 1212637



T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 2 x 100 mm, ergonomically shaped handle, matt chrome-plated

## Additional products

Contact insert - HC-K 6/ 6 EBUS - 1636402



HEAVYCON socket insert, K6/6 series, for 6 power and 6 control contacts and PE, axial screw connection (power contacts)/screw connection (control contacts)

