

## Contact insert - HC-K 4/0-ESTS - 1679414

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HEAVYCON plug insert, K4/0 series, 4-pos., screw connection without wire protection



COMPLETE RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 168858
GTIN	4017918168858
Weight per Piece (excluding packing)	115.800 g
Custom tariff number	85366990
Country of origin	China

### Technical data

#### General

Note	For HEAVYCON-ADVANCE housings of B16 type and HEAVYCON housings of B16 and B32 types
	Connectors may be operated only when there is no load/voltage.
Connection method	Screw connection (power contacts)
Tightening torque	3 Nm (4.0 mm <sup>2</sup> ... 16 mm <sup>2</sup> )
	2 Nm (2.5 mm <sup>2</sup> )
	1.2 Nm (1.5 mm <sup>2</sup> )
Torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Screwdriver blade	0.8 x 4.5 mm (power contacts)
Degree of pollution	3
Overvoltage category	III
Number of positions	4+PE
No. of power contacts	4

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## Technical data

### General

No. of control contacts	0
Insertion/withdrawal cycles	≥ 500
Size	B16
	B32
Contact numbering	1 - 4
Conductor cross section	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection cross section AWG	16 ... 6
Stripping length of the individual wire	14 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Use wire end protection (screw connections do not have wire protection)

### Ambient conditions

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

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

### Electrical characteristics

Rated voltage (III/3)	830 V (power contacts)
Rated surge voltage	8 kV (power contacts)
Rated current	80 A (power contacts)

### Standards and Regulations

Connection in acc. with standard	CSA
Flammability rating according to UL 94	V0

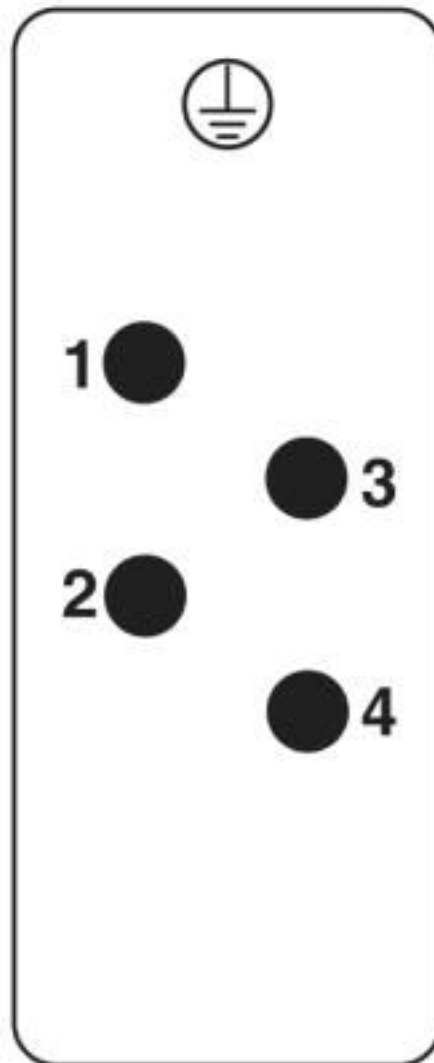
### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

## Contact insert - HC-K 4/0-ESTS - 1679414

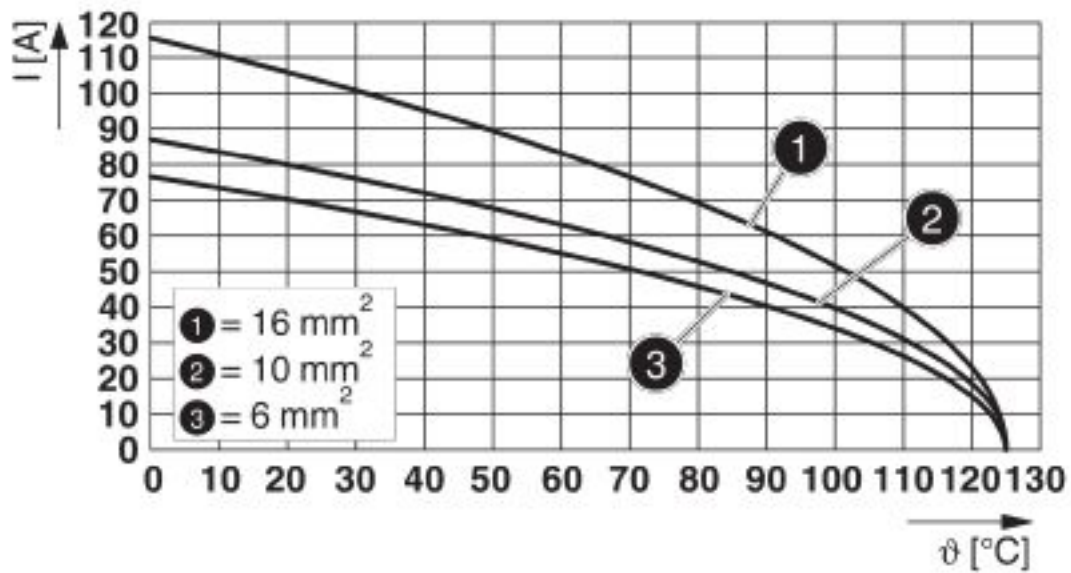
Schematic diagram



Connector pin assignment, connection side

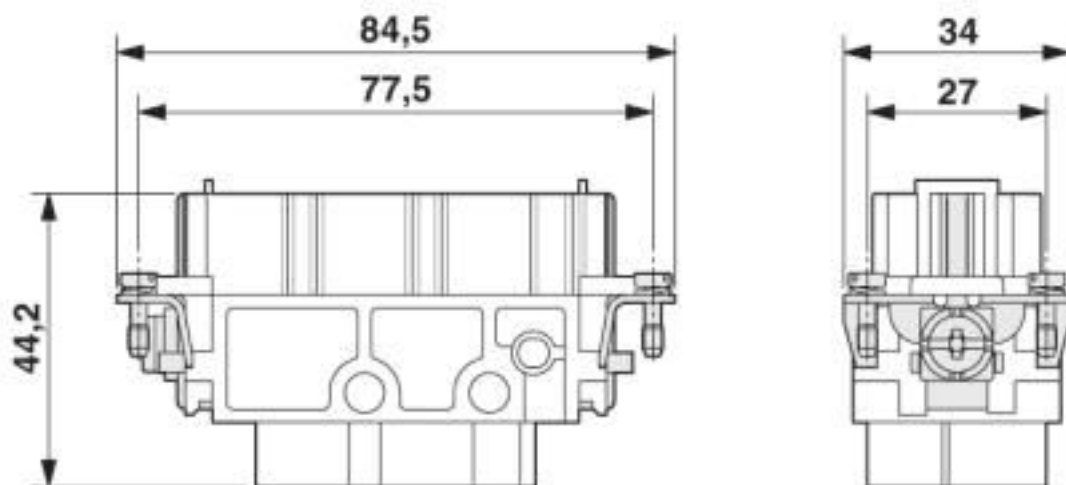
## Contact insert - HC-K 4/0-ESTS - 1679414

Diagram



Derating diagram

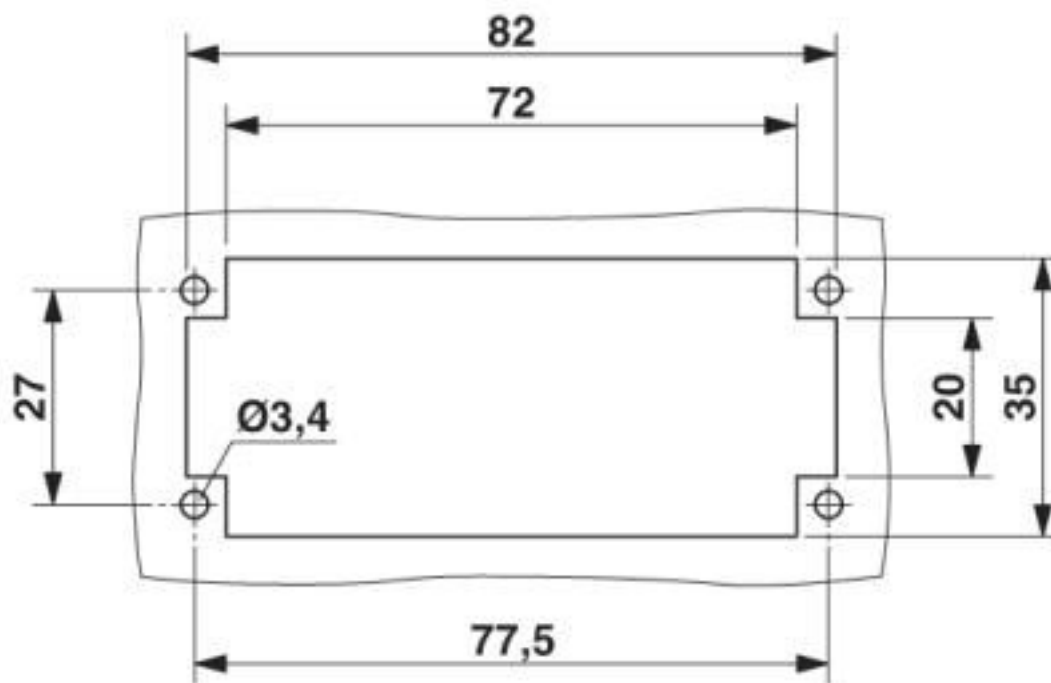
Dimensional drawing



Male insert

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Dimensional drawing



Mounting cutout when used without housing

### 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
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

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### Classifications

#### 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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EAC / EAC / UL Recognized

#### Ex Approvals

#### Approval details

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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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	80 A		
mm²/AWG/kcmil	6		

### Accessories

#### Accessories

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### Accessories

#### Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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### Additional products

Contact insert - HC-K 4/0-EBUS - 1679427



HEAVYCON socket insert, K4/0 series, 4-pos., screw connection without wire protection