

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

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



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	116.1 g
Custom tariff number	85366990
Country of origin	Romania

### Technical data

#### General

Note	For HEAVYCON-ADVANCE housings of B16 type and HEAVYCON housings of B16 and B32 types
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> )
Screwdriver blade	0.8 x 4.5 mm (power contacts)
	0.5 x 3.5 mm (control contacts)
Pollution degree	3
Overvoltage category	III
Number of positions	4+PE
No. of power contacts	4
Insertion/withdrawal cycles	≥ 500
Type	B16
Conductor cross section	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection cross section AWG	16 ... 6

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## Technical data

### General

Stripping length of the individual wire	14 mm
Assembly instructions	Plug-in connections may only be operated only when there is no load/voltage.
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

Flammability rating according to UL 94	V0
Contact material	Cu alloy
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

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
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

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

## Classifications

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / EAC / EAC / GL

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#### Ex Approvals


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#### Approvals submitted

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## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	5
Nominal current I <sub>N</sub>	80 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	8-4
Nominal current I <sub>N</sub>	63 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

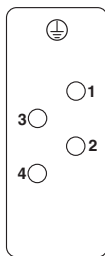
EAC

EAC

GL

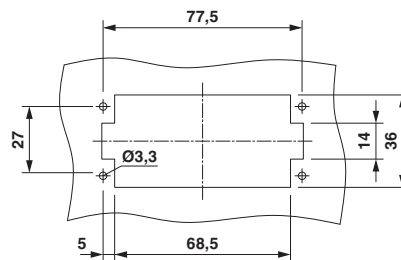
## Drawings

Schematic diagram



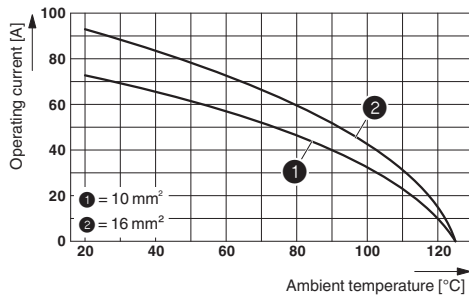
Connector pin assignment, connection side

Dimensional drawing



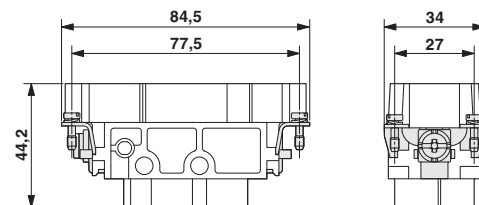
Mounting cutout when used without housing

Diagram



Derating diagram

Dimensional drawing



Female insert