

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

package_quantity	1
GTIN	4017918168865

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 ² ... 16 mm ²)
Tightening torque	2 Nm (2.5 mm ²)
Tightening torque	1.2 Nm (1.5 mm ²)
Pollution degree	3
Surge voltage category	III
Number of positions	4+PE
No. of power contacts	4
Insertion/withdrawal cycles	≥ 500
Design	B16
Conductor cross section	1.5 mm ² ... 16 mm ²
Connection cross section AWG	16 ... 6
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

Inflammability class according to UL 94	V0
Contact material	Cu alloy
Material of contact surface, power contact	Ag

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Material data

Contact carrier material	PC
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Electrical characteristics

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

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	27440209

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438


UNSPSC

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

approvals

CSA / UL Recognized / GOST /

Approval details

	
Nominal voltage UN	600 V
Nominal current IN	80 A

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approvals

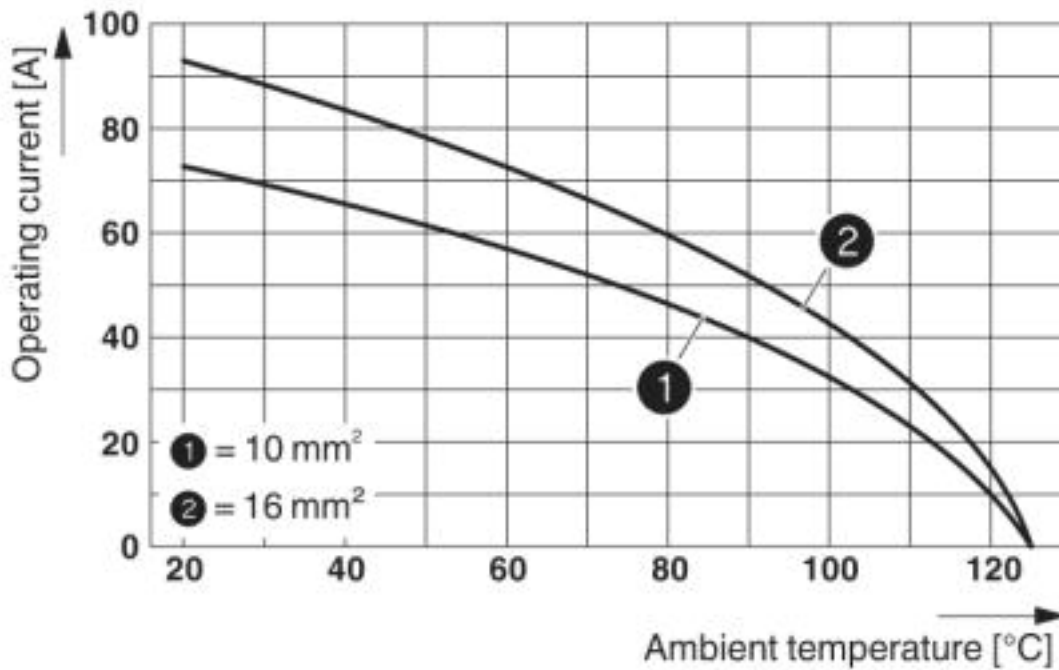
mm ² /AWG/kcmil	5
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UL Recognized	
Nominal voltage UN	600 V
Nominal current IN	
mm ² /AWG/kcmil	

GOST	
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Drawings

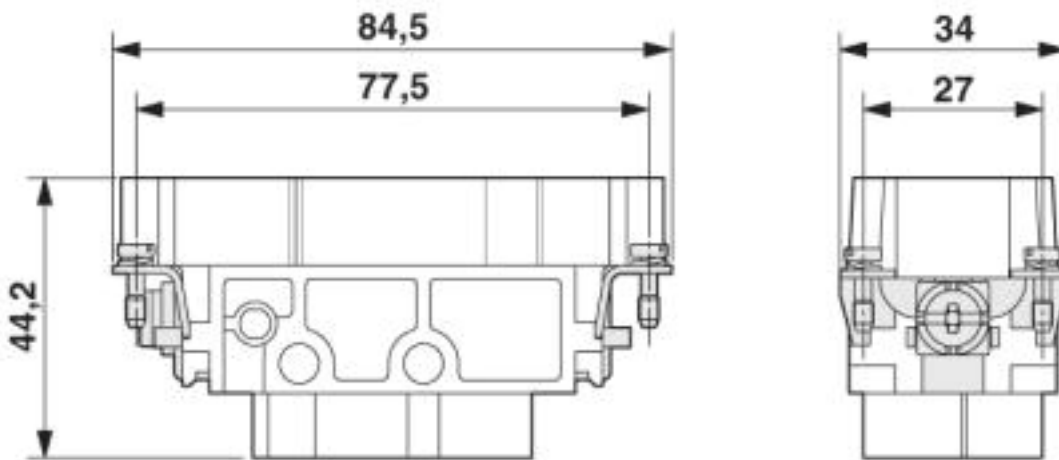
Diagram



Derating diagram

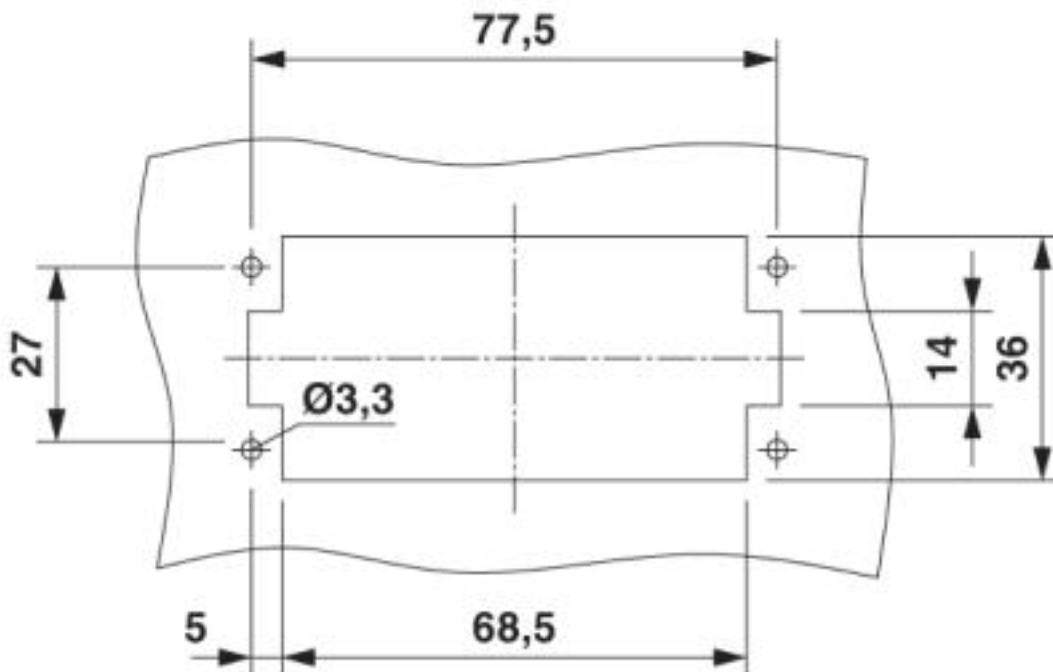
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Dimensioned drawing



Female insert

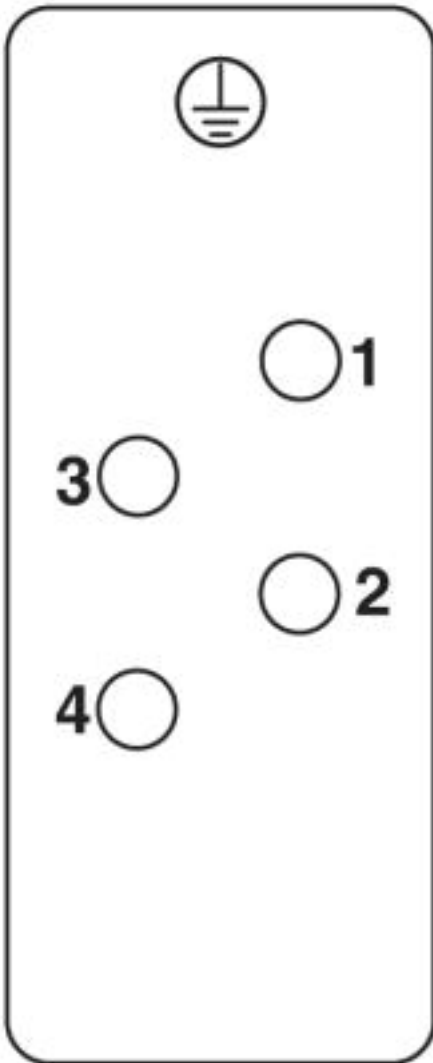
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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