

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 |
| GTIN |  4 017918 168865 |
| GTIN | 4017918168865 |
| Weight per Piece (excluding packing) | 114.900 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 ² ... 16 mm ²) |
| | 2 Nm (2.5 mm ²) |
| | 1.2 Nm (1.5 mm ²) |
| 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 |
| No. of control contacts | 0 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B16 |

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Technical data

General

| | |
|---|---|
| Contact numbering | 1 - 4 |
| 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 | 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 |
|---------------------------------|-------------------|

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 |

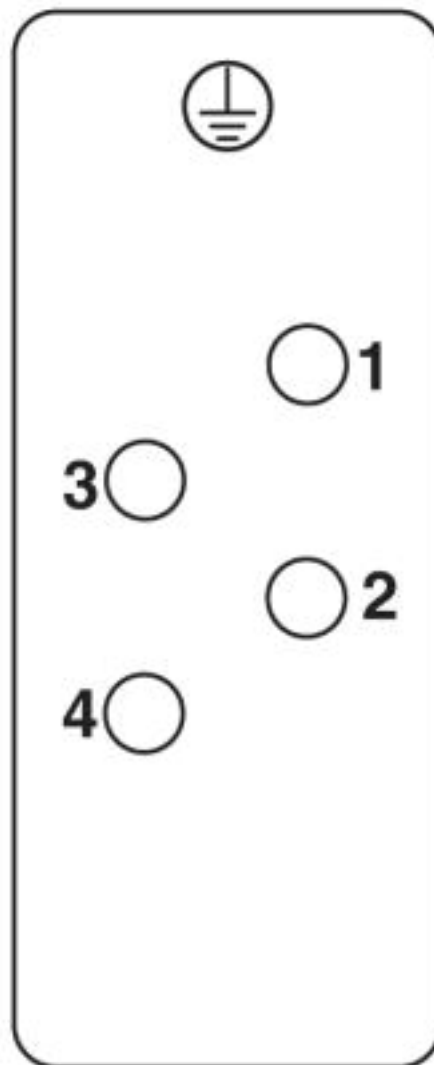
Environmental Product Compliance

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

Drawings

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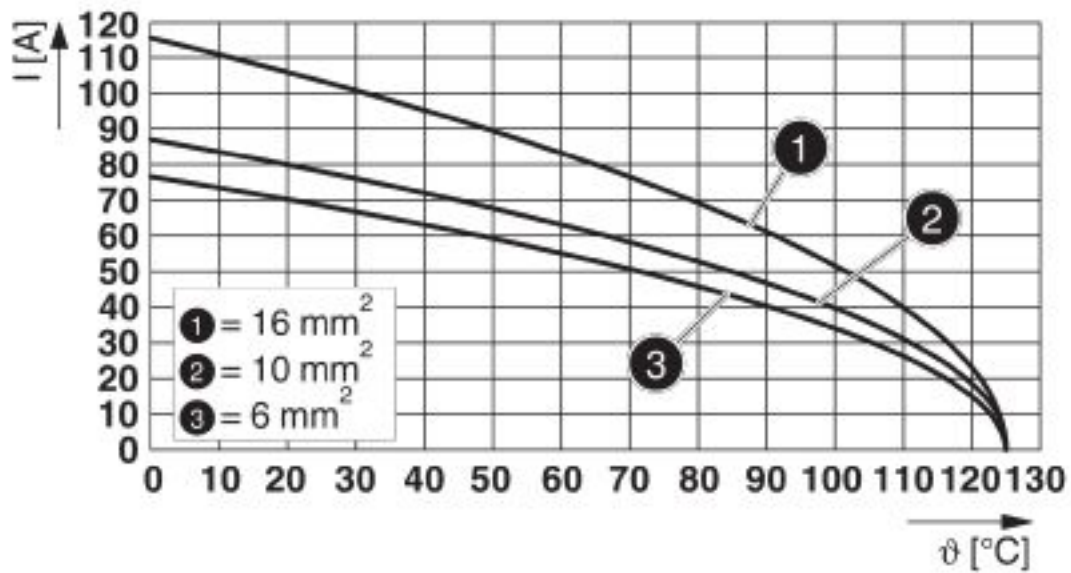
Schematic diagram



Connector pin assignment, connection side

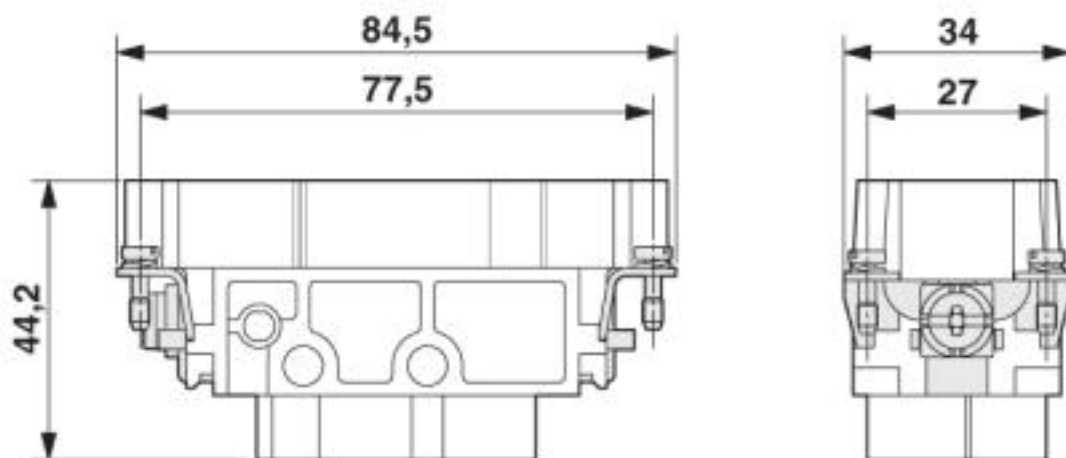
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Diagram



Derating diagram

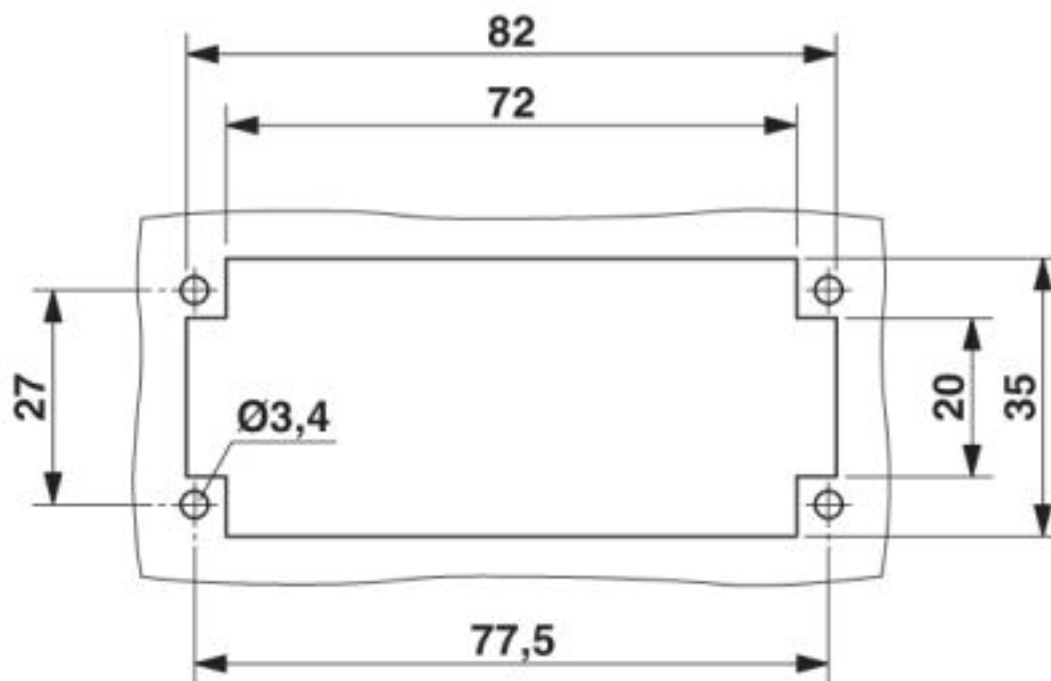
Dimensional drawing



Female insert

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Dimensional drawing



Mounting cutout when used without housing

Classifications

eCl@ss

| | |
|------------|----------|
| 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 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 6.01 | 30211923 |
|-------------|----------|

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Classifications

UNSPSC

| | |
|---------------|----------|
| 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

Approvals


UL Recognized / EAC / EAC

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|---------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 80 A | |
| mm²/AWG/kcmil | | 6 | |

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|---|--------------------------|

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00511 |
|-----|---|--------------------------|

Accessories

Accessories

Screwdriver tools

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Accessories

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

Additional products

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



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