# Contact insert - HC-K 6/0-EBUS - 1580537

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Socket contact insert with screw connection, number of positions 6 + PE, for HEAVYCON housing designs B16 and B32, incl. 1 x PE connection for 16 mm²

RoHS

## Key Commercial Data

| | |
|---|---|
| Packing unit | 10 pc |
| GTIN | 4 046356 463331 |
| GTIN | 4046356463331 |

## Technical data

### General

| | |
|---|---|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing type B16/B32; screw head shape of connection screws: Allen screws, wrench size 3 mm. |
| Connection method | Screw connection (Without wire protection) |
| Tightening torque | 1.8 Nm |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 6+PE |
| No. of power contacts | 6 |
| No. of control contacts | 0 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B16 |
| Contact numbering | 1 - 6 |
| Conductor cross section | 6 mm² ... 16 mm² (without ferrule) |
| | 2.5 mm² ... 16 mm² (with ferrule) |
| Connection cross section AWG | 10 ... 6 |
| Stripping length of the individual wire | 15 mm |

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## Technical data

### General

| | |
|---|---|
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection | For housing type B16. |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |

### Material data

| | |
|---|---|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Material of contact surface, power contact | Ag |
| Contact carrier material | PA |
| Standards/regulations | PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) |
| | PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

### Electrical characteristics

| | |
|---|---|
| Rated voltage (III/3) | 1000 V |
| Rated surge voltage | 8 kV |
| | 8 kV |
| Rated current | 80 A |

### Standards and Regulations

| | |
|---|---|
| Constructional and testing regulations | DIN VDE 0627/86 |
| | DIN VDE 0110/02.79 |
| | DIN VDE 0110-1/04.97 |
| | IEC 60664-1, DIN IEC 60512 |
| Flammability rating according to UL 94 | V0 |

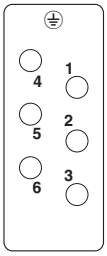
### Environmental Product Compliance

| | |
|---|---|
| REACh SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Drawings

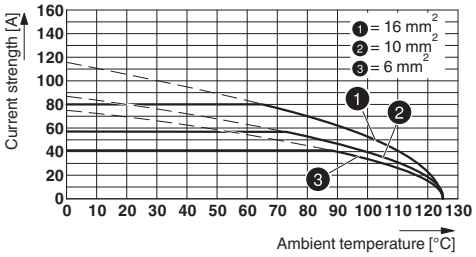
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Schematic diagram



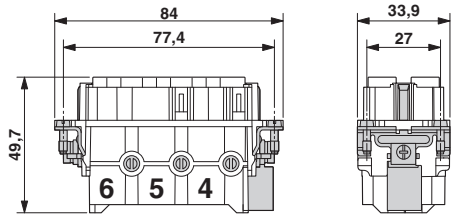

Connector pin assignment, connection side

Diagram



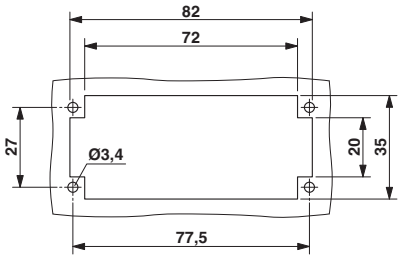

Derating diagram

Dimensional drawing




Dimensional drawing

Dimensional drawing




Mounting cutout when used without housing

## Approvals

### Approvals

Approvals

CSA / GL / UL Recognized / EAC

Ex Approvals

### Approval details

| | | | |
|---|---|---|---|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 013631_0_000 |

| | |
|---|---|
| Nominal voltage UN | 600 V |
| Nominal current IN | 60 A |
| mm²/AWG/kcmil | 10-6 |

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## Approvals

| | | | |
|---|---|---|---|
| GL | | http://exchange.dnv.com/tari/ | 6196614 HH |

| | | | |
|---|---|---|---|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |

| | |
|---|---|
| Nominal voltage UN | 600 V |
| Nominal current IN | 80 A |
| mm²/AWG/kcmil | 6 |

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

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