

Contact insert - HC-K 6/ 6 ESTS - 1636392


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HEAVYCON pin insert, K6/6 series, for 6 power and 6 control contacts and PE, axial screw connection (power contacts)/screw connection (control contacts)



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 20 pc |
| GTIN |  4 046356 180313 |
| GTIN | 4046356180313 |

Technical data

General

| | |
|-----------------------------|--|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of type B24, with third-party logo |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Axial screw connection (power contacts) Screw connection (control contacts) |
| Tightening torque | 6 Nm (Power contacts for 16 mm ²) 7 Nm (Power contacts for 25 mm ²) 0.8 Nm (control contacts) 8 Nm (Power contacts for 35 mm ²) |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 6+6+PE |
| No. of power contacts | 6 |
| No. of control contacts | 6 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B24 |
| Contact numbering | 1 - 6 |

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Technical data

General

| | |
|---|---|
| Conductor cross section | 16 mm ² ... 35 mm ² (power contacts) |
| | 0.2 mm ² ... 2.5 mm ² (control contacts) |
| Connection cross section AWG | 5 ... 2 (power contacts) |
| | 24 ... 13 (control contacts) |
| Stripping length of the individual wire | 13 mm ±1 mm (Power) |
| | 7.5 mm (Signal) |
| Wire diameter including insulation | 11.4 mm (max., power contacts) |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |

Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

Material data

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

Electrical characteristics

| | |
|-----------------------|--------------------------|
| Rated voltage (III/3) | 690 V (power contacts) |
| | 400 V (control contacts) |
| Rated surge voltage | 8 kV (power contacts) |
| | 6 kV (control contacts) |
| Rated current | 100 A (power contacts) |
| | 16 A (control contacts) |

Standards and Regulations

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

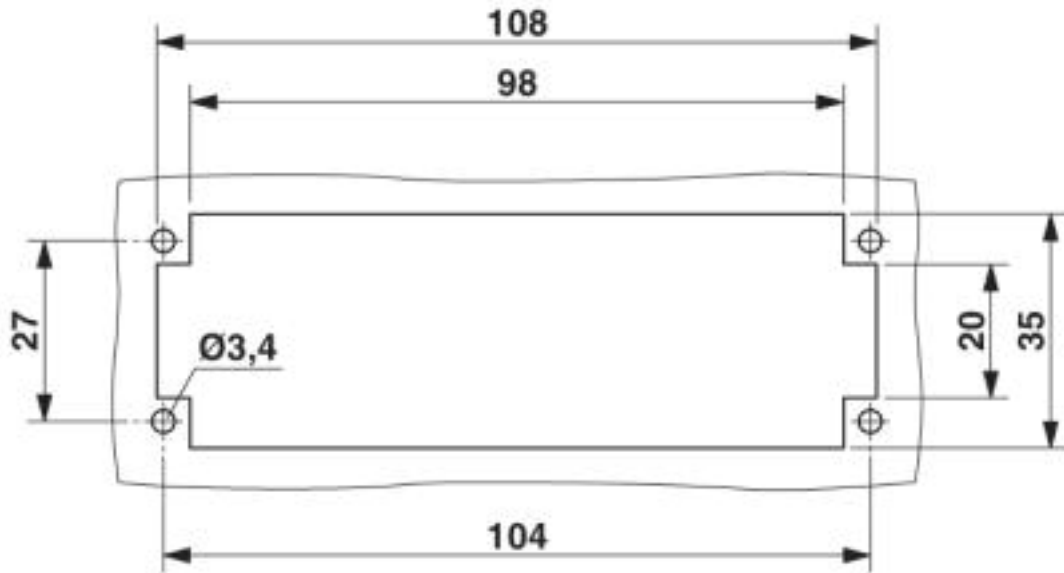
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

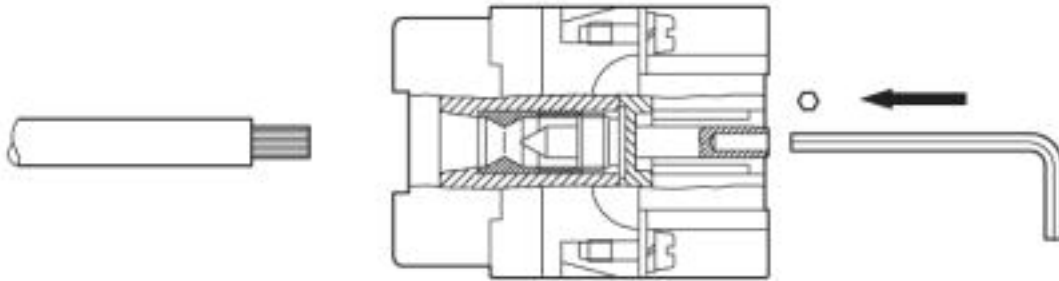
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Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Axial connection

Approvals

Approvals

Approvals


UL Recognized

Ex Approvals

Approval details

Contact insert - HC-K 6/ 6 ESTS - 1636392

Approvals

| | | | |
|----------------------------|---|---|---------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 16 A | |
| mm ² /AWG/kcmil | | 14 | |

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