

Contact insert - HC-K 6/36-ESTC - 1636376

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HEAVYCON male insert, K6/36 series, for 6 power and 36 control contacts, crimp connection



COMPLETE™

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 011518 |
| GTIN | 4046356011518 |
| Weight per Piece (excluding packing) | 68.300 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|----------------------|---|
| Note | For HEAVYCON ADVANCE and HEAVYCON housing of type B16/B32, power contacts: CK 4,0-ED, control contacts: CK 1,6-ED (crimp contacts not supplied as standard) |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Crimp connection (power contacts) |
| | Crimp connection (control contacts) |
| Torque | 0.8 Nm ... 1.2 Nm (PE connection) |
| | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 6+36+PE |

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Technical data

General

| | |
|---|--|
| No. of power contacts | 6 |
| No. of control contacts | 36 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B16 |
| | B32 |
| Contact numbering | 1 - 6 |
| Conductor cross section | 1.5 mm ² ... 6 mm ² (power contacts) |
| | 0.14 mm ² ... 2.5 mm ² (control contacts) |
| Connection cross section AWG | 16 ... 10 (power contacts) |
| | 26 ... 14 (control contacts) |
| Stripping length of the individual wire | 9 mm (Power contacts, with a cross section of 1.5 mm ² ... 2.5 mm ²) |
| | 8 mm (Control contacts, with a cross section of 0.14 mm ² ... 1.5 mm ²) |
| | 9.5 mm (power contacts, with a cross section of 4 mm ² ... 6 mm ²) |
| | 6 mm (Control contacts, with a cross section of 2.5 mm ²) |
| Wire diameter including insulation | 5 mm |
| 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 (alternatively Au) |
| Contact carrier material | PC |

Electrical characteristics

| | |
|-----------------------|---------------------------|
| Rated voltage (III/3) | 690 V (power contacts) |
| | 160 V (control contacts) |
| Rated surge voltage | 8 kV (power contacts) |
| | 2.5 kV (control contacts) |
| Rated current | 40 A (power contacts) |
| | 10 A (control contacts) |

Standards and Regulations

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

Environmental Product Compliance

Contact insert - HC-K 6/36-ESTC - 1636376

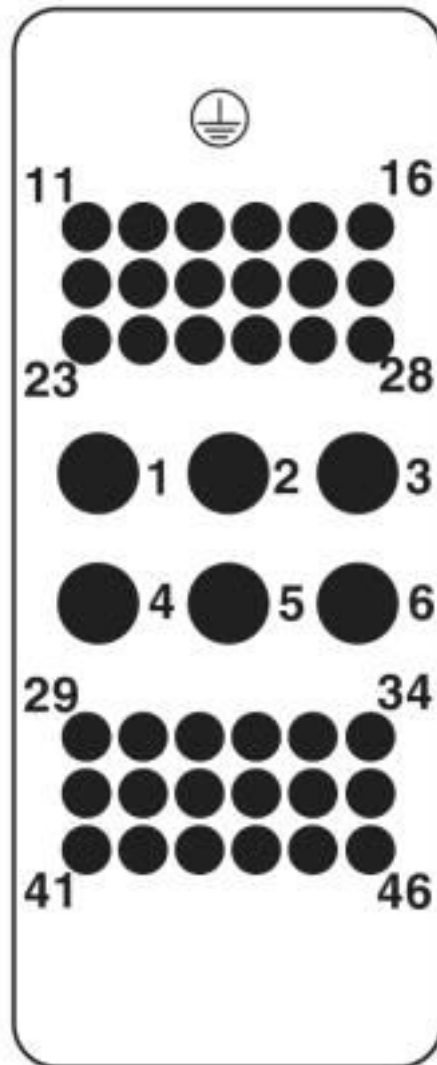
Technical data

Environmental Product Compliance

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

Drawings

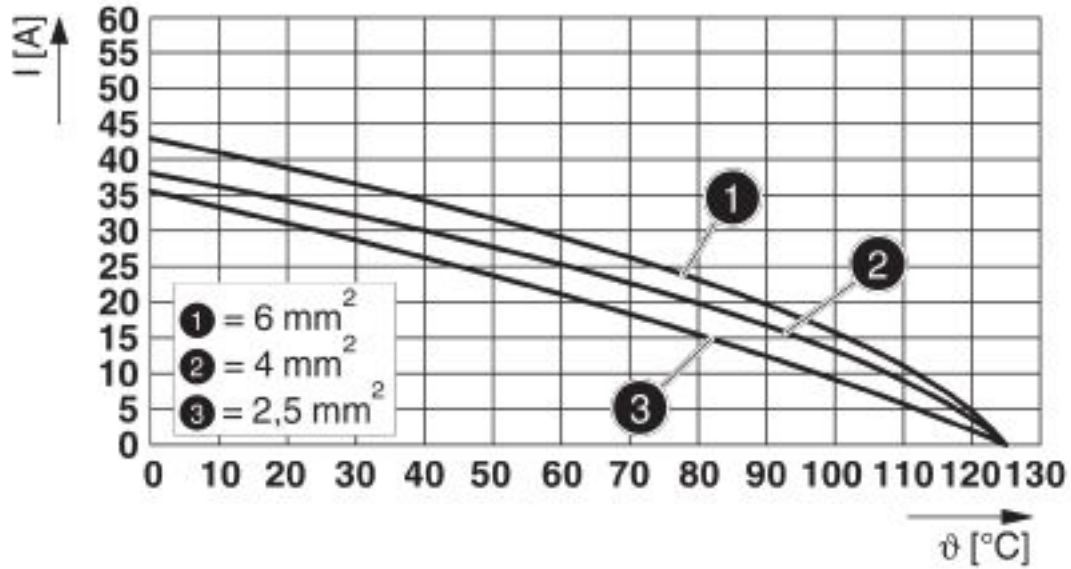
Schematic diagram



Connector pin assignment, connection side

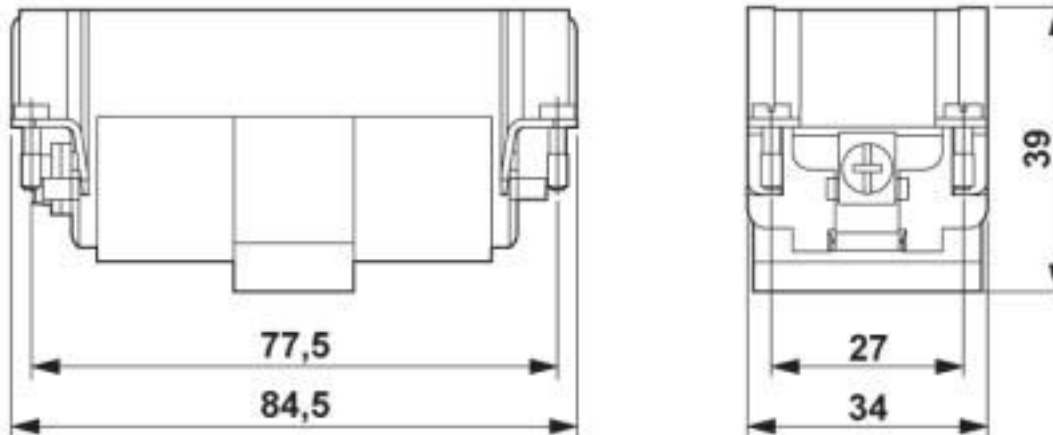
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Diagram



Derating diagram

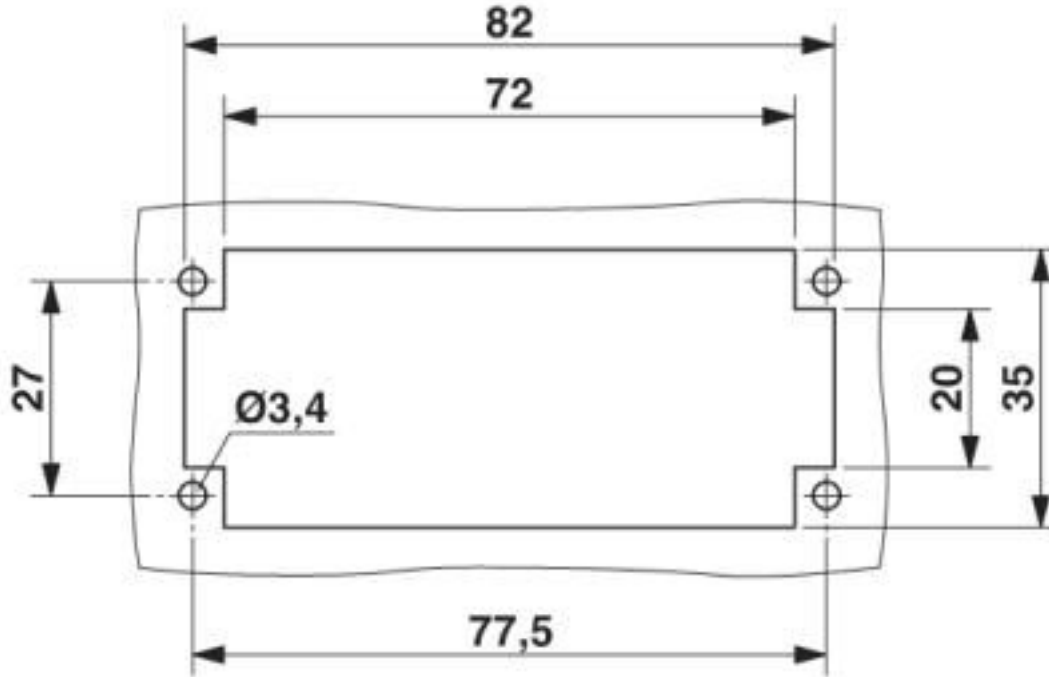
Dimensional drawing



Dimensional drawing

Contact insert - HC-K 6/36-ESTC - 1636376

Dimensional drawing



Mounting cutout when used without housing

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440205 |
| 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 |

Contact insert - HC-K 6/36-ESTC - 1636376

Classifications

ETIM

| | |
|----------|----------|
| ETIM 6.0 | EC000438 |
| ETIM 7.0 | EC000438 |

UNSPSC

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

EAC / UL Recognized

Ex Approvals

Approval details

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

| | | | |
|----------------------------|---|---|---------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| Nominal voltage UN | 600 V | | |
| Nominal current IN | 10 A | | |
| mm ² /AWG/kcmil | 14 | | |

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Accessories

Accessories

Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm², silver-plated

Crimp contact - CK1,6-ED-0,50ST AG - 1663349



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,75ST AG - 1663352



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK1,6-ED-1,00ST AG - 1663365



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK1,6-ED-1,50ST AG - 1663378



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Contact insert - HC-K 6/36-ESTC - 1636376

Accessories

Crimp contact - CK1,6-ED-2,50ST AG - 1663381



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,37ST AU - 1674901



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm², gold-plated

Crimp contact - CK1,6-ED-0,50ST AU - 1672453



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK1,6-ED-0,75ST AU - 1674914



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm², gold-plated

Crimp contact - CK1,6-ED-1,00ST AU - 1674888



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², gold-plated

Contact insert - HC-K 6/36-ESTC - 1636376

Accessories

Crimp contact - CK1,6-ED-1,50ST AU - 1674875



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm², gold-plated

Crimp contact - CK4,0-ED-1,50ST AG - 1663239



Turned 4.0 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK4,0-ED-2,50ST AG - 1663242



Turned 4.0 crimp contact, individual male contact, core diameter 2.50 mm², silver-plated

Crimp contact - CK4,0-ED-4,00ST AG - 1663255



Turned 4.0 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

Contact insert - HC-K 6/36-ESTC - 1636376

Accessories

Crimp contact - CK4,0-ED-6,00ST AG - 1663268



Turned 4.0 crimp contact, individual male contact, core diameter 6.00 mm², silver-plated

Crimp contact - CK4,0-ED-10,00ST AG - 1586198



Turned 4.0 crimp contact, single male contact, 10 mm² conductor cross section, silver-plated

Fiber optics contact

Male contact - CK1,6-ED-ST-POF - 1884995



POF fiber optic pin contact, turned, for contact carriers (HC-DD...I-CT.../ HC-M-12-CT-.../ HC-M-17-CT-...) of CK1,6-ED... contacts

Additional products

Contact insert - HC-K 6/36-EBUC - 1636389



HEAVYCON female insert, K6/36 series, for 6 power and 36 control contacts, crimp connection
