

Contact insert - HC-COM- 4/2-ESTC - 1408504

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HEAVYCON crimp contact insert for compact plastic housing; pin version; 4-pos. + PE supply circuit, 2-pos. control circuit

Product Description

Contact insert, incl. 4 mounting screws



Key Commercial Data

| | |
|------------------------|---------------------|
| Packing unit | 2 pc |
| Minimum order quantity | 2 pc |
| GTIN | 4 046356 618212 |
| GTIN | 4046356618212 |

Technical data

General

| | |
|-----------------------------|--|
| Note | For crimp contacts CK4.0-ED.. (control circuit), CK1.6-ED... (control circuit) |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Crimp connection (Signal contacts) |
| | Crimp connection (power contacts) |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 4+2+PE |
| No. of power contacts | 4 |
| No. of control contacts | 2 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | COM |
| Contact numbering | 1 - 4 |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² (control contacts) |
| | 1.5 mm ² ... 6 mm ² (power contacts) |

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Technical data

General

| | |
|---|---|
| Connection cross section AWG | 16 ... 10 (power contacts) |
| | 26 ... 14 (control contacts) |
| Stripping length of the individual wire | 9 mm (1.5 mm ² ... 2.5 mm ² control circuit) |
| | 9.6 mm (4 mm ² - 6 mm ² control circuit) |
| | 8 mm (Control circuit) |
| | 6 mm (2.5 mm ² control circuit) |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 100 °C (including heating up of contacts) |
|---------------------------------|--|

Material data

| | |
|--|-----------------------|
| Seal material | NBR |
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| Material of contact surface, power contact | Ag |
| Material of contact surface, control contact | Ag (alternatively Au) |
| Contact carrier material | PC |

Electrical characteristics

| | |
|----------------------------------|-------------------------------------|
| Rated voltage for power contacts | 400/690 V |
| Rated voltage (III/3) | 250 V (control contacts) |
| | 400 V (Phase-ground power contacts) |
| | 690 V (Phase-phase power contacts) |
| Rated surge voltage | 6 kV (Phase-phase power contacts) |
| | 4 kV (control contacts) |
| Rated current | 40 A (power contacts) |
| | 10 A (control contacts) |

Standards and Regulations

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

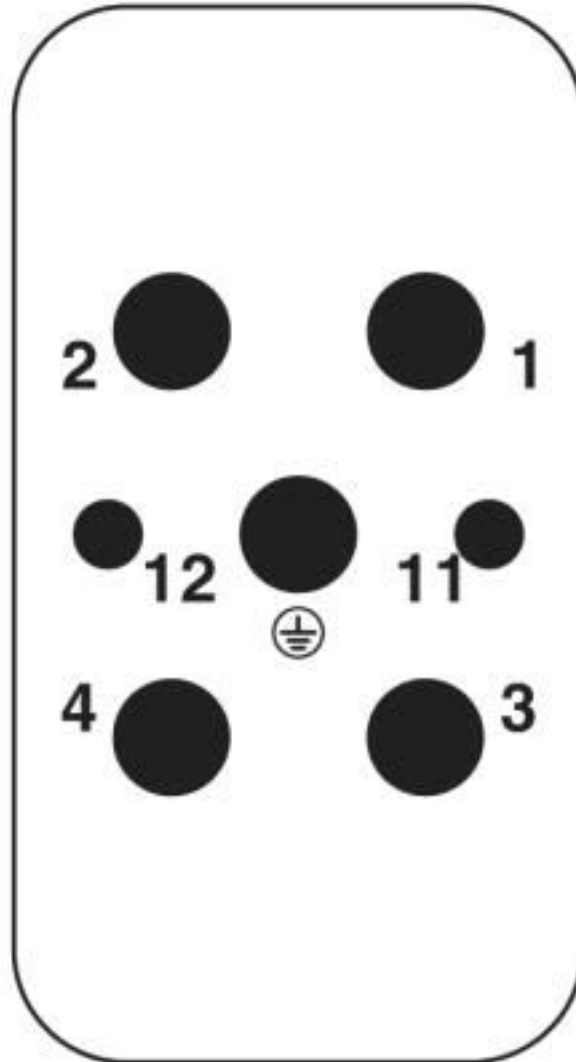
Environmental Product Compliance

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

Drawings

Contact insert - HC-COM- 4/2-ESTC - 1408504

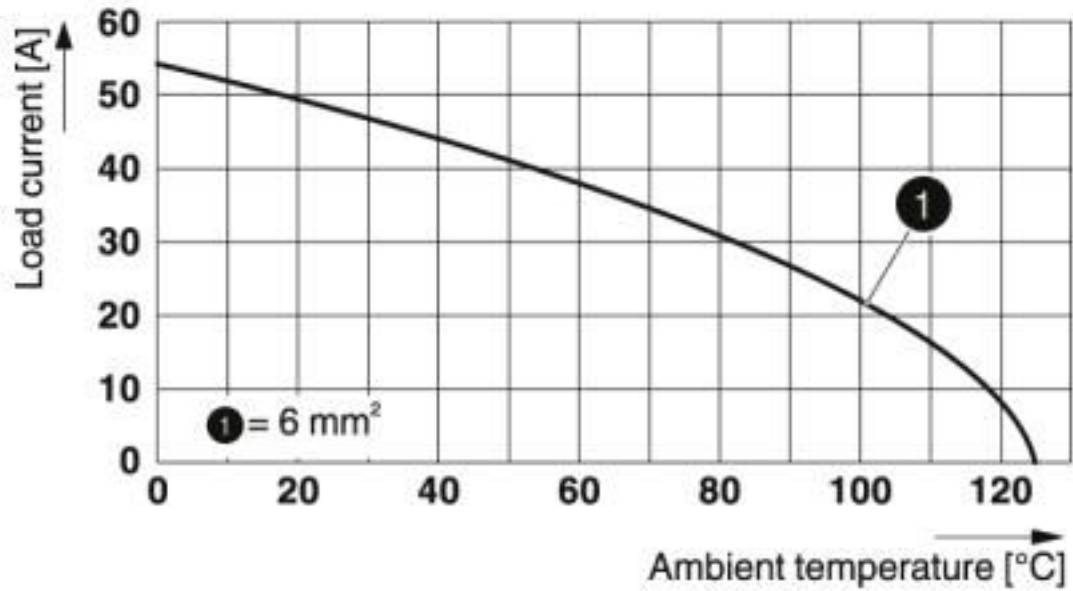
Schematic diagram



Connector pin assignment, connection side

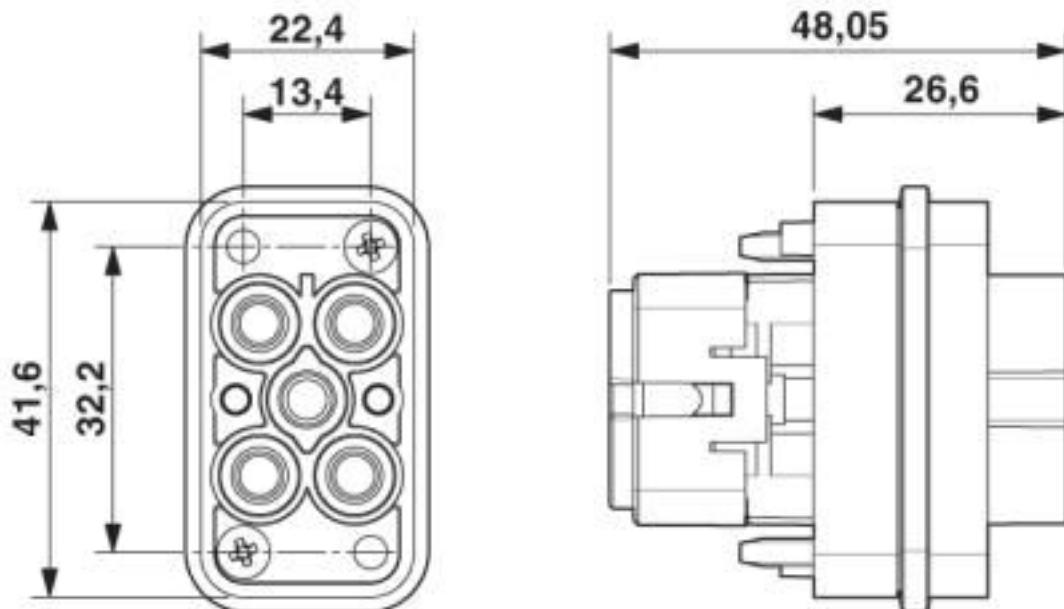
Contact insert - HC-COM- 4/2-ESTC - 1408504

Diagram



Derating diagram power circuit for 6 mm² (control current 10 A)

Dimensional drawing



HC-COM-4/2-ESTC dimensional drawing

Classifications

eCl@ss

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

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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 4.0 | EC000437 |
| ETIM 5.0 | EC000438 |
| 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


CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized


Ex Approvals


Approval details

Contact insert - HC-COM- 4/2-ESTC - 1408504

Approvals

| | | | |
|----------------------------|---|---|--------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 260458 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 19 A | |
| mm ² /AWG/kcmil | | 20-12 | |

| | | | |
|----------------------------|---|---|---------------|
| 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 | | 40 A | |
| mm ² /AWG/kcmil | | 16-10 | |

| | | | |
|----------------------------|---|---|---------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 30 A | |
| mm ² /AWG/kcmil | | 16-10 | |

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

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

| | |
|------------------|---|
| cULus Recognized |  |
|------------------|---|

Accessories

Accessories

Crimp contact

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Accessories

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

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 - 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

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Accessories

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

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



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

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Accessories

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

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



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

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Accessories

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



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

Crimping tool

Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

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

Universal tools

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Accessories

Contact removal tool - UNIFOX RT-CK 4.0 - 1072064



Contact removal tool, for rotated CK-4,0-... contacts

Contact removal tool - UNIFOX RT-CK 2.5 - 1072067



Contact removal tool, for turned CK 2,5... contacts

Additional products

Contact insert - HC-COM- 4/2-EBUC - 1408517



HEAVYCON crimp contact insert for compact plastic housing, socket version; 4-pos. + PE supply circuit, 2-pos. control circuit

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