

Contact insert - HC-D 25-I-CT-M - 1584392

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HEAVYCON male insert, D25 series, 25-pos., crimp connection

Your advantages

- ✔ Can be used in rail vehicles, satisfy DIN EN 45545-2 with requirement sets R22, R23, and R24 in hazard levels HL1, HL2, and HL3.



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356142656 |

Technical data

General

| | |
|------------------------------------|---|
| Note | For HEAVYCON housing type D25, CK1,6-ED crimp contacts (crimp contacts not supplied as standard) |
| | Connectors may be operated only when there is no load/voltage. |
| | It is imperative that guide pins (HC-CST) and sockets (HC-CBU) are used to prevent tip collision due to misalignment. |
| Connection method | Crimp connection |
| Torque | 0.7 Nm ... 1 Nm (PE connection) |
| | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Number of connections per position | 1 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 25+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | D25 |
| | D50 |

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Technical data

General

| | |
|---|---|
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 26 ... 14 |
| Stripping length of the individual wire | 8 mm (0.14 ... 1.5 mm ²) |
| | 6 mm (2.5 mm ²) |
| 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 (including heating up of contacts) |
|---------------------------------|--|

Material data

| | |
|--------------------------|---|
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| Contact carrier material | PC |
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

Electrical characteristics

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage | 4 kV |
| Rated current | 10 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 |
| | IEC 60352 |
| Flammability rating according to UL 94 | V0 |
| Standards/regulations | acc. to DIN EN 45545-2 |

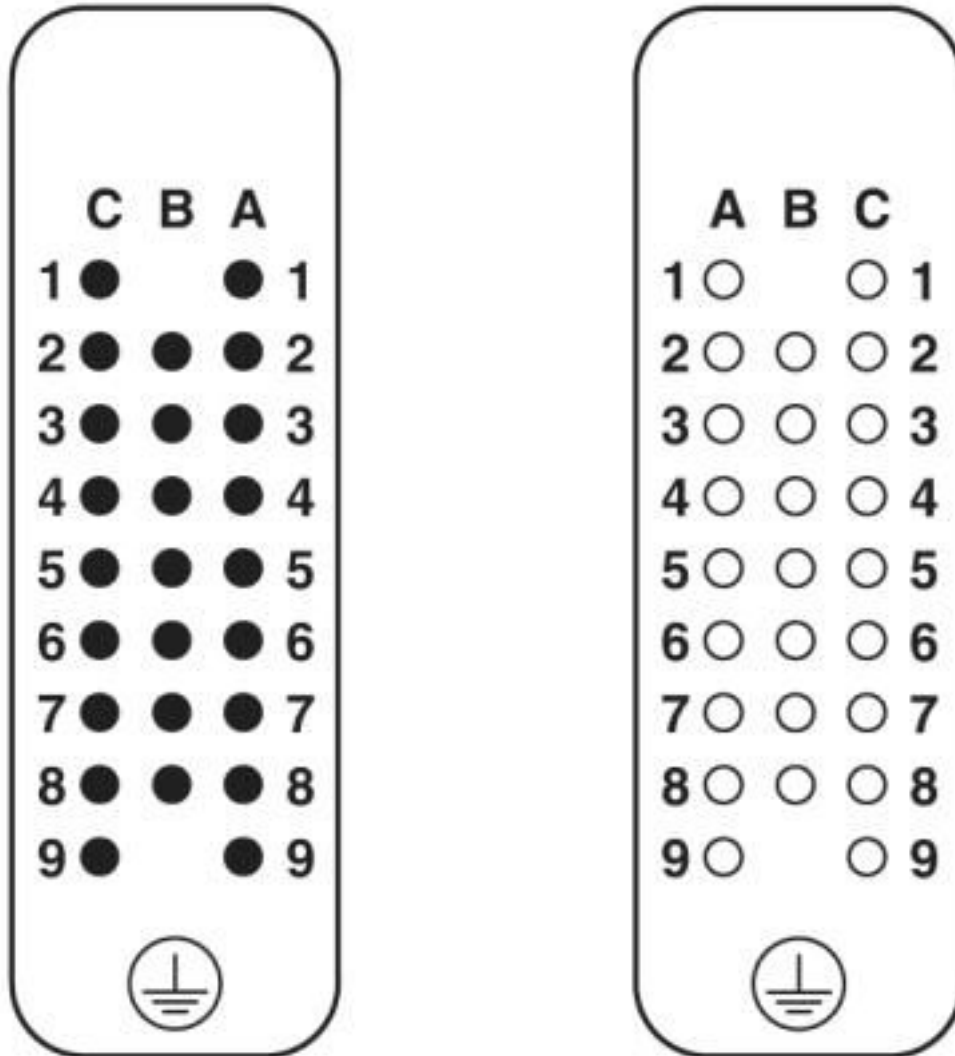
Environmental Product Compliance

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

Drawings

Contact insert - HC-D 25-I-CT-M - 1584392

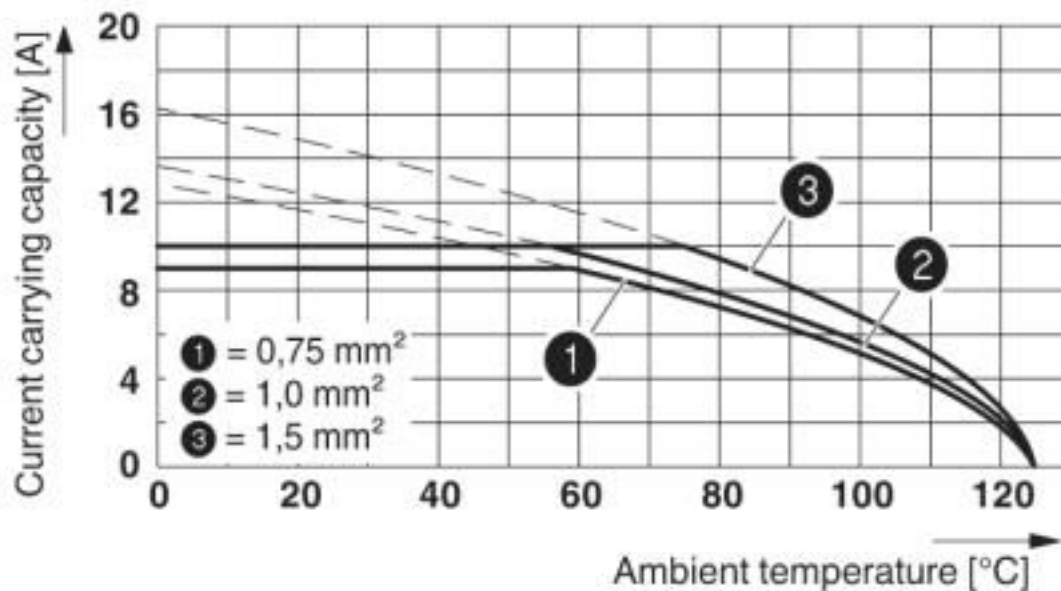
Schematic diagram



Connector pin assignment connection side: Left pin; right socket

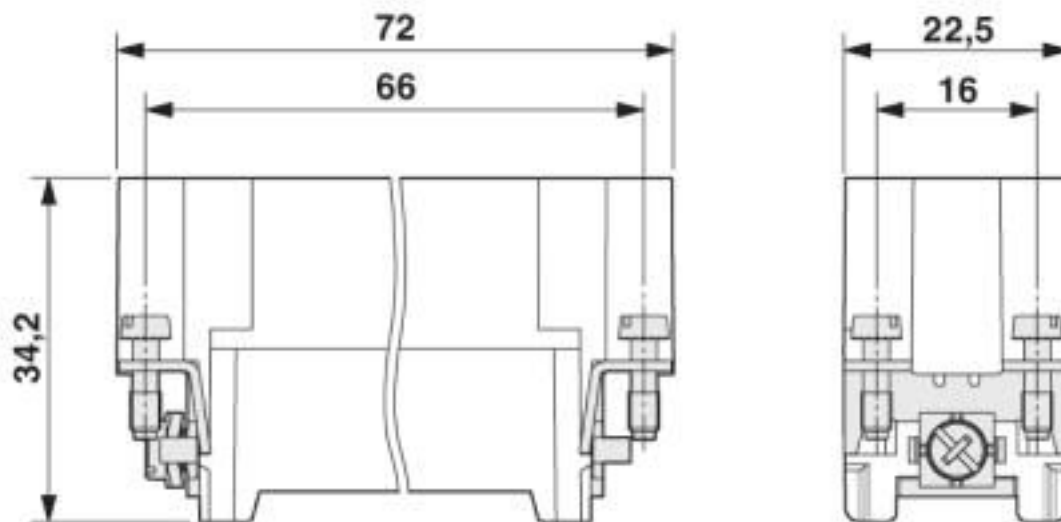
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Diagram



Derating diagram: HC-D...C series

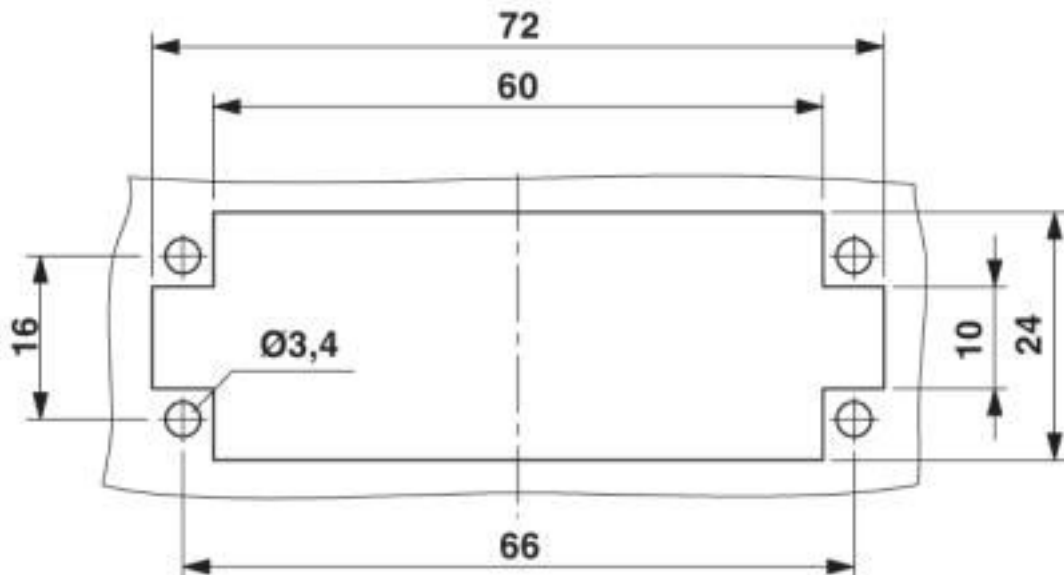
Dimensional drawing



Male insert

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

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| 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 / EAC / DNV GL / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 8 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | | |
|----------------------------|---|---|---------------|
| 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 | | 10 A | |
| mm ² /AWG/kcmil | | 14 | |

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

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Approvals

| | | | |
|--------|--|---|------------|
| DNV GL | | https://approvalfinder.dnvgl.com/ | TAE000037S |
|--------|--|---|------------|

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

Accessories

Accessories

Assembly tool

Assembly tool - UNIFOX MT-CK 1.6/2.5 - 1089092



Assembly tool, for CK 1.6... crimp contacts for small conductor cross sections

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

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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

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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

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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 - CK1,6-ER-1,00ST OIC AG - 1004360



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm² AWG 22 ... 17

Crimp contact - CK1,6-ER-2,50ST OIC AG - 1004365



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm² AWG 16 ... 14

Crimp contact - CK1,6-BR-1,00ST OIC AG - 1004380



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm² AWG 22 ... 17

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Accessories

Crimp contact - CK1,6-BR-2,50ST OIC AG - 1004382



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm² AWG 16 ... 14

Crimping 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

Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

Universal tools

Contact removal tool - UNIFOX RT-CK 1.6 - 1072069



Contact removal tool, for turned and rolled CK- 1.6-... contacts

Additional products

Contact insert - HC-D 25-I-CT-F - 1584402



HEAVYCON female insert, D25 series, 25-pos., crimp connection

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