

Contact insert - HC-A16-I-UT-F 17-32 - 1585346

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HEAVYCON socket insert, A16 series, 16-pos., screw connection, numbering from 17 ... 32

Your advantages

- ✔ can be coded with plastic coding profile (order number 1410916)
- ✔ for a test pin 2 mm in diameter

COMPLETE RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 285070 |
| GTIN | 4046356285070 |
| Weight per Piece (excluding packing) | 60.000 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|-------------------|--|
| Note | for HC-D25 / HC-D 50 housing |
| | Connectors may be operated only when there is no load/voltage. |
| Connection method | Screw connection |
| Tightening torque | 0.5 Nm |
| Torque | 0.7 Nm ... 1 Nm (PE connection) |
| | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Screwdriver blade | 0.5 x 3.5 mm |

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Technical data

General

| | |
|---|--|
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 16+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | D25 |
| | D50 |
| Contact numbering | 17 - 32 |
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² (applies to stranded conductors with ferrules) |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 7 mm |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection | for plastic coding profiles: 4 pcs. |

Ambient conditions

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

Material data

| | |
|--------------------------|---|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| 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 |
| | 4 kV |
| Rated current | 16 A |

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

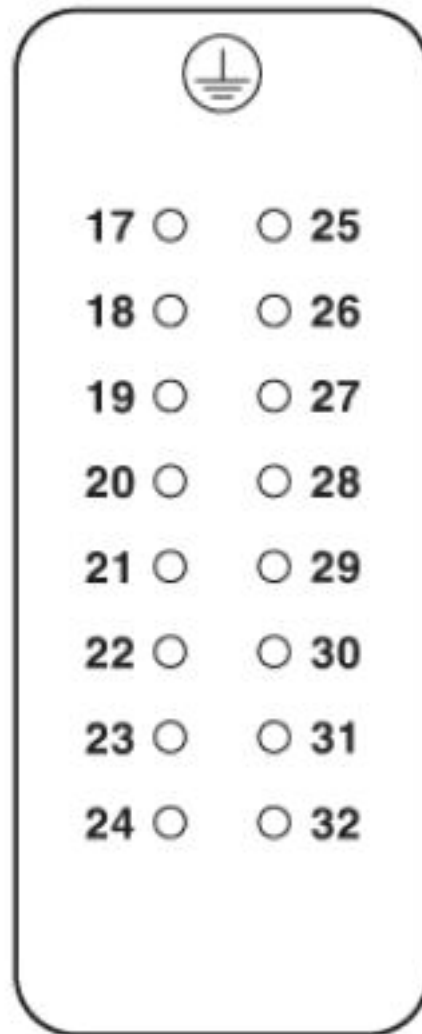
Environmental Product Compliance

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

Drawings

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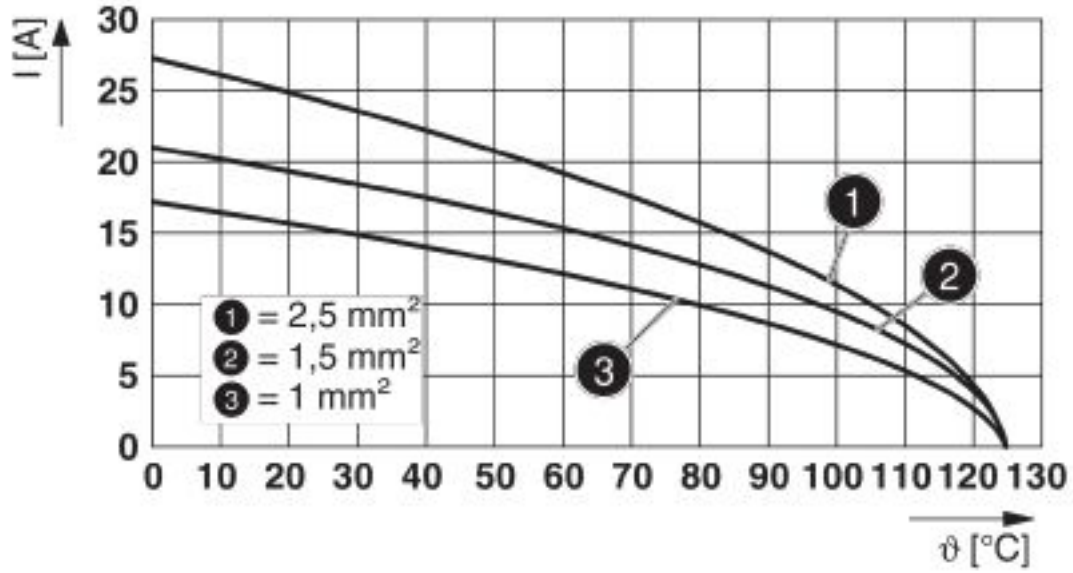
Schematic diagram



Connector pin assignment, connection side

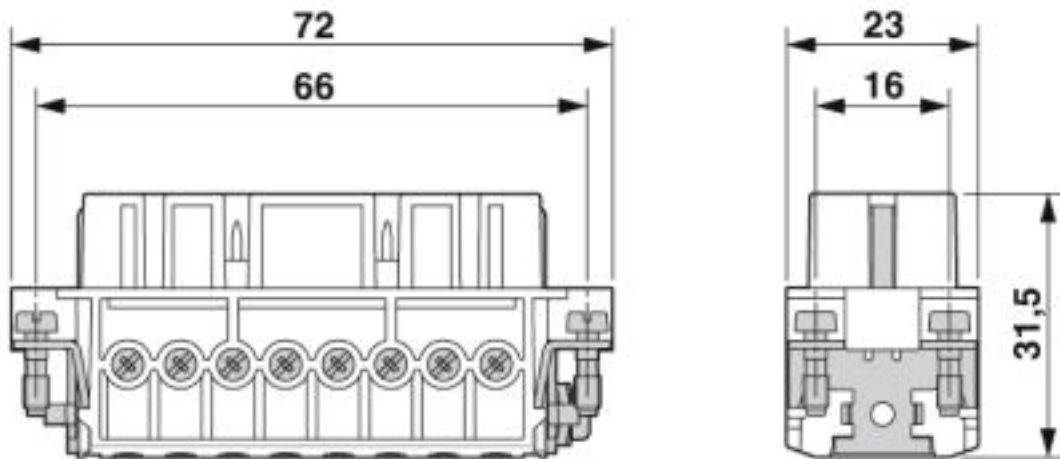
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Diagram



Derating diagram

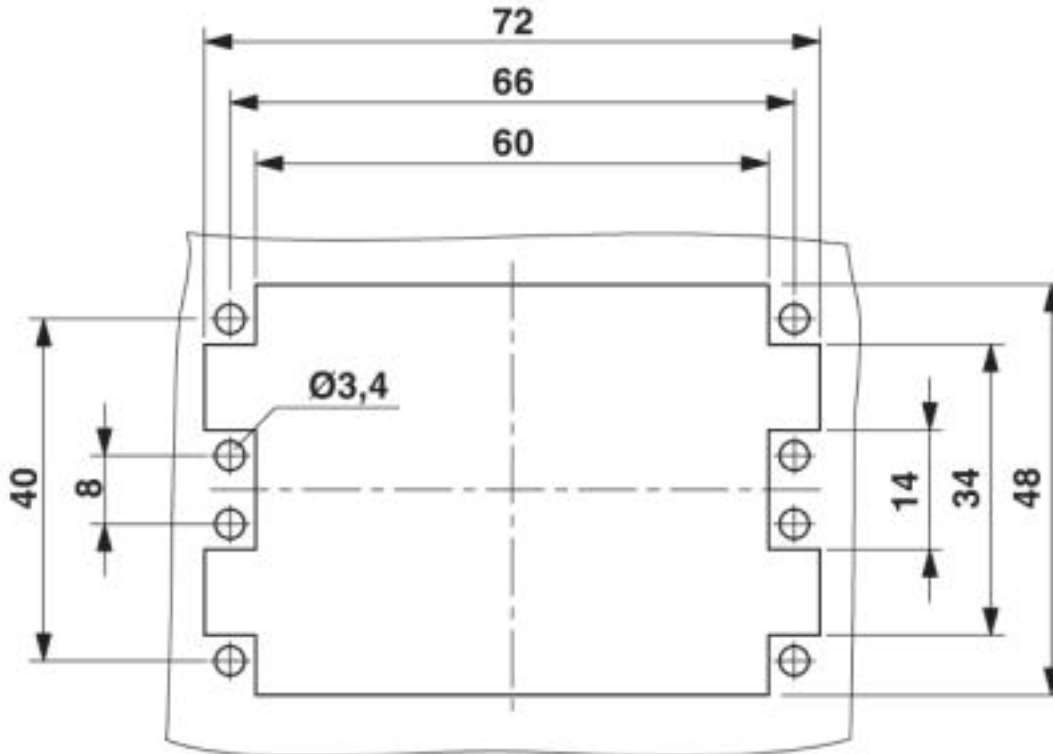
Dimensional drawing



Female insert

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Dimensional drawing



Mounting cutout when used without housing

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 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

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Classifications

ETIM

| | |
|----------|----------|
| 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 / EAC / EAC / CSA / EAC / EAC / null / null / null / null

Ex Approvals

Approval details

| | | | |
|-----|--|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
|-----|--|---|-------|

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

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

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Approvals

| | | | |
|----------------------------|--|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 15 A | |
| mm ² /AWG/kcmil | | 14 | |

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

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

Accessories

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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Accessories

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

Coding profile - CP-HC-S - 1410916



Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...

DIN rail mounting frame

DIN rail mounting frame - HC-SMR-D25 - 1604023



HEAVYCON DIN rail mounting frame, for contact inserts of type D25

Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

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Accessories

Additional products

Contact insert - HC-A16-I-UT-M 17-32 - 1585333



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