

HC-A16-I-UT-M - Contact insert



1585317

<https://www.phoenixcontact.com/us/products/1585317>

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Contact insert, number of positions: 16+PE, size: D25, number of connections per position: 1, Pin, Screw connection, 250 V, 16 A, 0.5 mm² ... 2.5 mm²

Your advantages

- Can be coded with plastic coding profile (order number 1410916)
- For a test pin 2 mm in diameter
- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1585317 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF61 |
| Product key | AF7ABB |
| GTIN | 4046356285049 |
| Weight per piece (including packing) | 63.5 g |
| Weight per piece (excluding packing) | 61.1 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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Technical data

Mounting

| | |
|---------------|---|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
| | for plastic coding profiles: 4 pcs. |

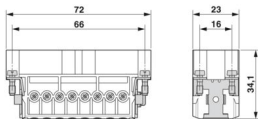
Product properties

| | |
|------------------------------------|--|
| Product type | Contact insert with a fixed no. of positions |
| Series | HC-A |
| Type | D25 D50 |
| Number of positions | 16 |
| Connection profile | 16+PE |
| Contact numbering | 1 - 16 |
| Number of connections per position | 1 |
| Contact material type | turned |
| Screwdriver blade | 0.5 x 3.5 mm |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Dimensions

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| Width | 23 mm |
| Height | 33 mm |
| Length | 72 mm |
| Drill hole distance, horizontal | 66 mm |
| Drill hole distance, vertical | 16 mm |

Mechanical characteristics

| | |
|------------------|--------|
| Contact diameter | 2.5 mm |
|------------------|--------|

Connection data

Connection technology

| | |
|------------------------------------|------------------|
| Connection technology | Screw connection |
| Number of connections per position | 1 |
| Connection in acc. with standard | IEC / EN |

Conductor connection

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| | |
|---|--|
| Conductor cross-section | 0.5 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 20 ... 14 |
| Tightening torque | 0.7 Nm ... 1 Nm (PE connection) |
| | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| | 0.5 Nm |
| Stripping length of the individual wire | 7 mm |

Electrical properties

| | |
|-----------------------|----------------|
| Rated voltage (III/3) | 250 V |
| Rated surge voltage | 4 kV |
| | 4 kV |
| Rated current | 16 A |
| SCCR | 5 kA (UL 2237) |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

Material specifications

| | |
|--|--------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |
| Standards/regulations | PC |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Testing

| | |
|-----------------------|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|---|

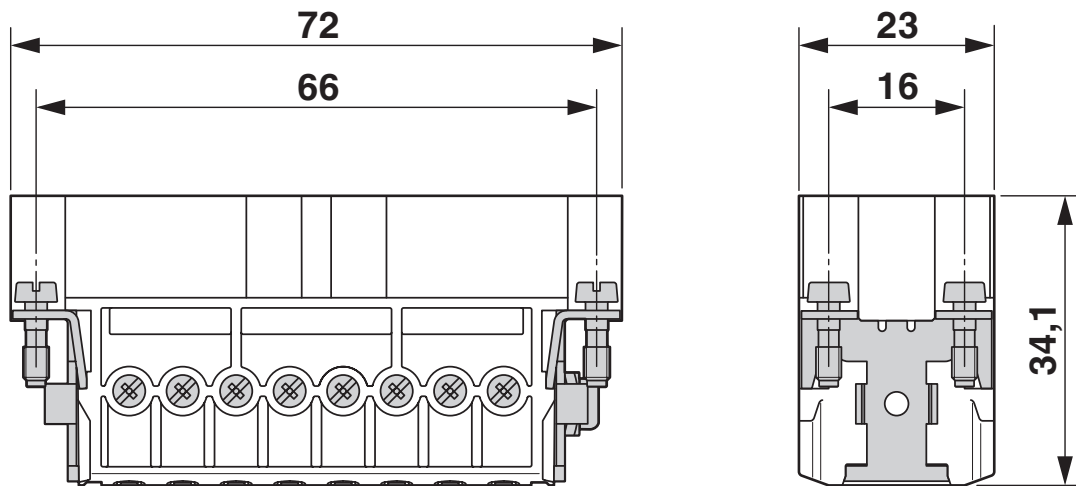
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Drawings

Dimensional drawing



Male insert

Dimensional drawing



Mounting cutout when used without housing

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Schematic diagram



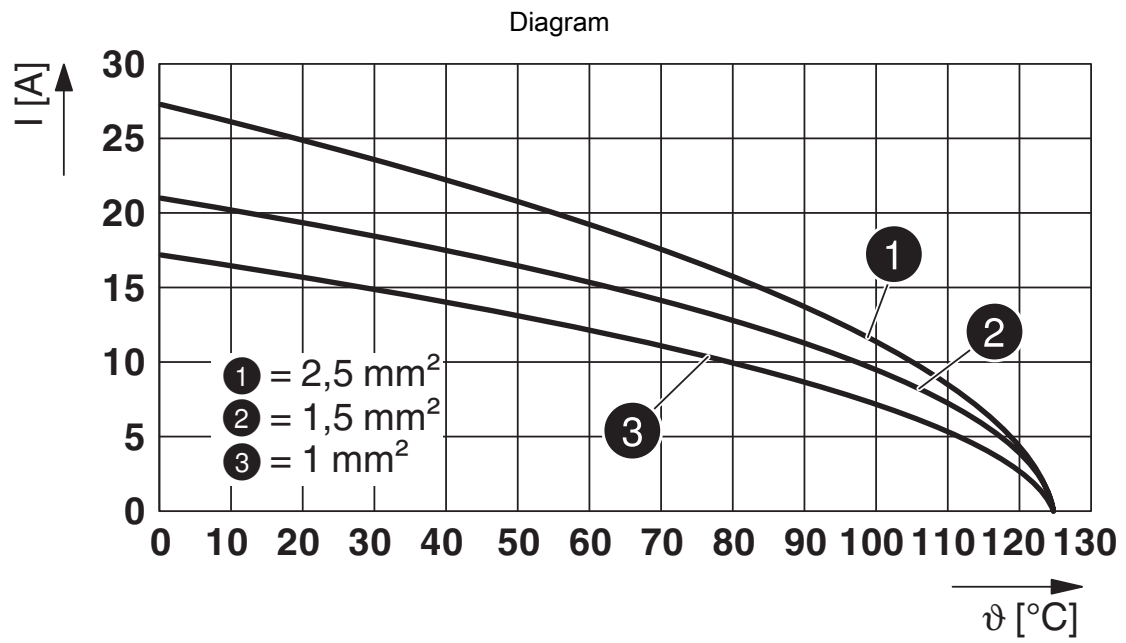
Pin assignment, connection side, pin left, socket right

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Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1585317>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 158887

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 15 A | - 14 | - |



UL Recognized

Approval ID: E118976

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 19 A | - | - |



UL Recognized

Approval ID: E468743

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 18 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440205 |
| ECLASS-15.0 | 27440205 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000438 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | c1674e4f-5382-4448-92ee-587465488e6d |

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