# HC-M-04-KT-F - Contact insert module

1417370

https://www.phoenixcontact.com/us/products/1417370

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Contact insert module, number of positions: 4xKOAX, power contacts: 0, control contacts: 4, Socket, Soldering and crimp connection, 48 V, 2 A, 0.2 $mm^2$ ... 0.8 $mm^2$, application: Signal

## Commercial data

| | |
|---|---|
| Item number | 1417370 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF62 |
| Product key | AF7ACE |
| GTIN | 4055626112527 |
| Weight per piece (including packing) | 7.18 g |
| Weight per piece (excluding packing) | 7.1 g |
| Customs tariff number | 85389099 |
| Country of origin | PL |

## Technical data

### Notes

| | |
|---|---|
| General | For HEAVYCON housings type B6 to B48, HC-M-B…MF-... module carrier frame required, crimp contacts HC-M-04-KOAX... (crimp contacts not included in the scope of delivery) |
| General | Connectors may be operated only when there is no load/voltage. |
| General | It is imperative that guide pins (HC-CST) and sockets (HC-CBU) are used to prevent tip collision due to misalignment. |
| General | The designations “female” and “male” are used differently for coaxial contacts than for single-position contacts. The correct accessories can be found in the e-shop. |

### Product properties

| | |
|---|---|
| Product type | Coaxial insert, modular |
| Series | HC-M-04-KOAX |
| Application | Signal |
| Number of positions | 4 |
| Connection profile | 4xKOAX |
| Contact numbering | 1 - 4 |
| No. of cable outlets | 4 |
| Number of module slots | 1 |
| No. of power contacts | 0 |
| No. of control contacts | 4 |
| Contact material type | turned |

Insulation characteristics

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

### Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 48 V |
| Rated surge voltage | 0.8 kV |
| Rated current | 1.5 A |
| Contact resistance, phase conductor | ≤ 3 mΩ |
| Contact resistance, inner conductor | ≤ 10 mΩ |
| Insulation resistance | ≥ 10 GΩ |
| Transmission characteristics (category) | shielded data cable |

### Connection data

Connection technology

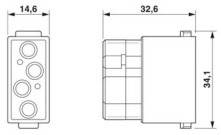
| | |
|---|---|
| Connection technology | Soldering and crimp connection |

Conductor connection

| | |
|---|---|
| Conductor cross-section | 0.2 mm² ... 0.8 mm² |

| | |
|---|---|
| Connection cross section AWG | 24 ... 18 |
| Stripping length of the individual wire | 2.5 mm ±0.5 mm |

## Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 34.2 mm |
| Height | 32.6 mm |
| Length | 14.6 mm |

### Mechanical characteristics

| | |
|---|---|
| Contact diameter | 4.8 mm |

## Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Au |
| Contact carrier material | PC |

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Standards and regulations

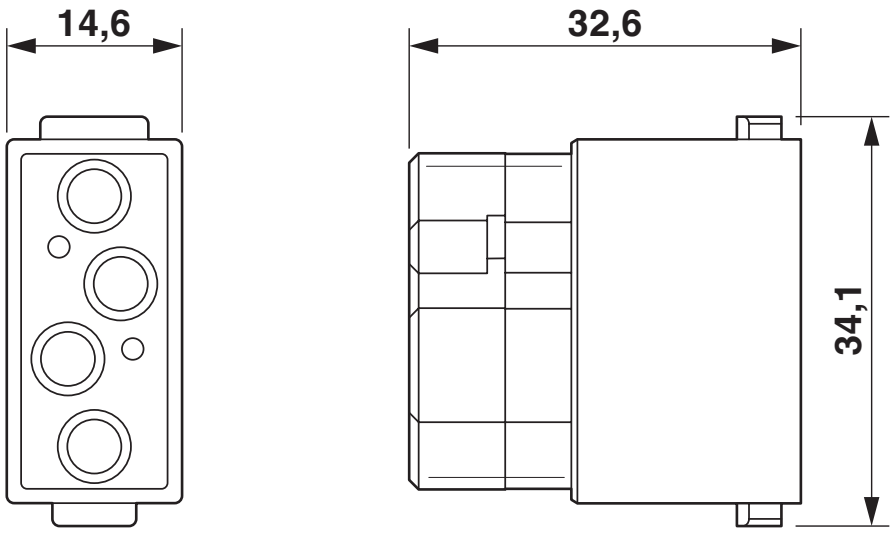
| | |
|---|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

## Mounting

| | |
|---|---|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
| | For HC-M-04-ST-KOAX... contacts |

## Drawings

Dimensional drawing




Female insert

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1417370

**DNV**
Approval ID: TAE000037S

**CSA**
Approval ID: 158887

**UL Recognized**
Approval ID: E118976

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440217 |
| ECLASS-15.0 | 27440217 |

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.079 kg CO2e |


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