# HC-M-DSUB-09-UT-M - Contact insert module

1423723

https://www.phoenixcontact.com/us/products/1423723

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Contact insert module, number of positions: 9, type : D-SUB 9, Pin, Screw connection, 48 V, 1 A, 0.08 $mm^2$ ... 0.5 $mm^2$, application: Data

## Commercial data

| | |
|---|---|
| Item number | 1423723 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF62 |
| Product key | AF7ACE |
| GTIN | 4055626369419 |
| Weight per piece (including packing) | 38.74 g |
| Weight per piece (excluding packing) | 37.7 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## Technical data

### Notes

| | |
|---|---|
| General | For HEAVYCON housing type B6 to B48, HC-M-B...MF-... module carrier frame required |
| General | Connectors may be operated only when there is no load/voltage. |
| General | The use of guide pins (HC-CST) and sockets (HC-CBU) is recommended to prevent tip collision due to misalignment. |

### Mounting

| | |
|---|---|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
| | Signal A is pin 8, signal B is pin 3, T-functionality with branch lines according to IEC 61156 up to 1.5 Mbaud |

### Product properties

| | |
|---|---|
| Product type | Modular contact insert |
| Series | HC-M-DSUB-U |
| Application | Data |
| Number of positions | 9 |
| Connection profile | 9 |
| Contact numbering | 1 - 9 |
| No. of cable outlets | 1 |
| Number of module slots | 1 |
| Contact material type | turned |

#### Insulation characteristics

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

### Connection data

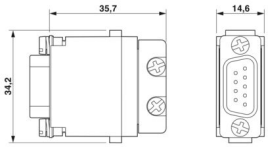
#### Connection technology

| | |
|---|---|
| Connection technology | Screw connection |

#### Conductor connection

| | |
|---|---|
| Conductor cross-section | 0.08 mm² ... 0.5 mm² |
| Connection cross section AWG | 28 ... 20 |
| Tightening torque | 0.03 Nm ... 0.05 Nm |
| Stripping length of the individual wire | 4.2 mm |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 34.2 mm |
| Height | 35.7 mm |
| Length | 14.6 mm |

Mechanical characteristics

| | |
|---|---|
| Minimum housing height | 72 mm |
| Contact diameter | 1 mm |

## Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 48 V |
| Rated surge voltage | 0.8 kV |
| Rated current | 1 A |

## Mechanical properties

Mechanical data

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

## Material specifications

| | |
|---|---|
| Material Line conductor | Zinc alloy |
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |

## Environmental and real-life conditions

Ambient conditions

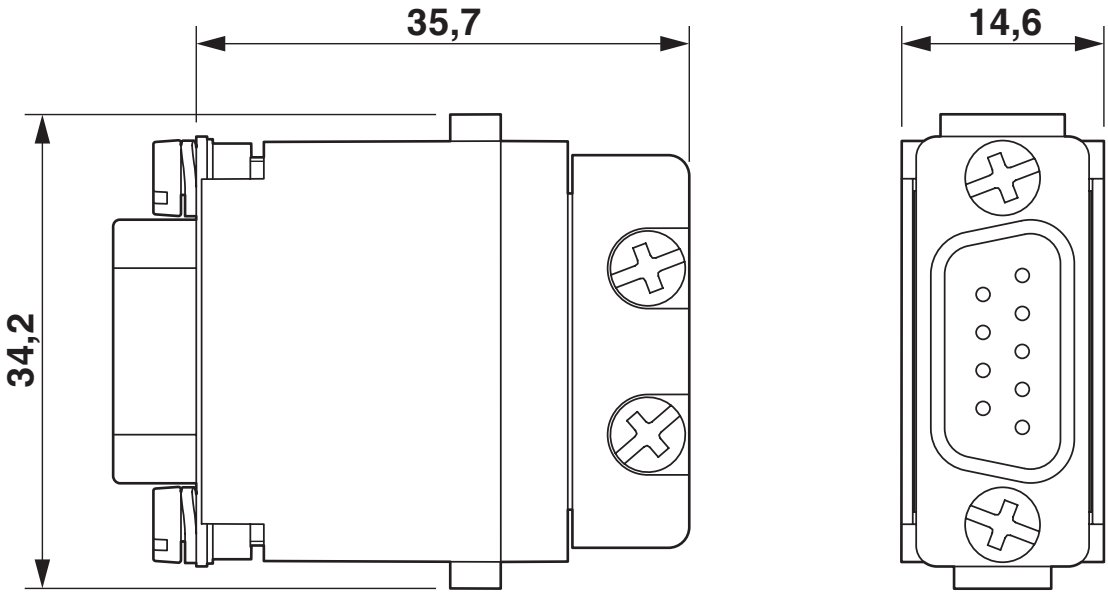
| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Standards and regulations

| | |
|---|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement set R22 acc. to DIN EN 45545-2 (Risk level HL1 - HL2) |
| | PC: Fire protection in rail vehicles - requirement set R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

## Drawings

Dimensional drawing




Male insert

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440218 |
| ECLASS-15.0 | 27440218 |

### 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 | 26.218 kg CO2e |


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