

# Contact insert - HC-A04-I-UT-F - 1585249

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Contact insert, number of positions: 4+PE, size: D7, number of connections per position: 1, Socket, Screw connection, 230 V/400 V, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Product Description

Contact insert  
without wire protection, with IP65 sealing screw



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 284974 |
| GTIN         | 4046356284974   |

## Technical data

### General

|   |  |
|---|--|
| Note                                    | for housing HC-D7  |
|   | Connectors may be operated only when there is no load/voltage. |
| Connection method                       | Screw connection   |
| Tightening torque                       | 0.25 Nm ... 0.5 Nm   |
| Screwdriver blade                       | 0.4 x 2.5 mm   |
| Number of connections per position      | 1  |
| Degree of pollution                     | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 4+PE   |
| Insertion/withdrawal cycles             | ≥ 500  |
| Size                                    | D7   |
| Contact numbering                       | 1 - 4  |
| Conductor cross section                 | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                    |
| Connection cross section AWG            | 20 ... 14  |
| Stripping length of the individual wire | 5 mm   |

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## Technical data

### General

|                       |   |
|-----------------------|---|
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection            | Already includes one IP65 sealing screw   |

### 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 for power contacts | 230/400 V                   |
| Rated voltage (III/3)            | 230 V (Conductor-PE)        |
|                                  | 400 V (Conductor-Conductor) |
| Rated surge voltage              | 4 kV                        |
|                                  | 4 kV                        |
| Rated current                    | 16 A                        |

### Standards and Regulations

|  |                            |
|--|----------------------------|
| Constructional and testing regulations | IEC 61984:2008             |
|  | IEC 60664-1:2007           |
|  | IEC 60664-1, DIN IEC 60512 |
| Flammability rating according to UL 94 | V0                         |
| Standards/regulations                  | acc. to DIN EN 45545-2     |

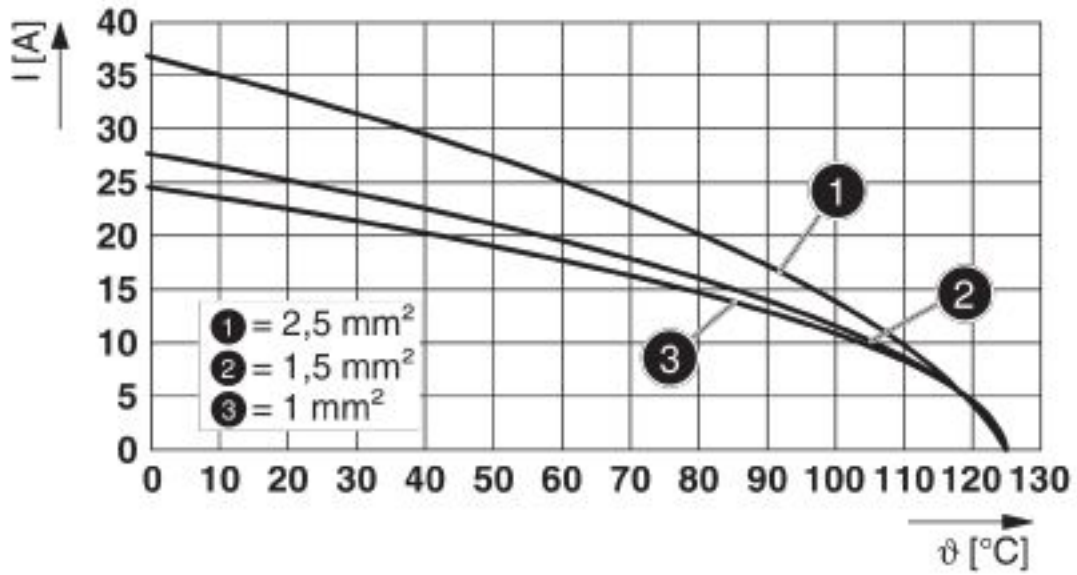
### Environmental Product Compliance

|            |   |
|------------|---|
| 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

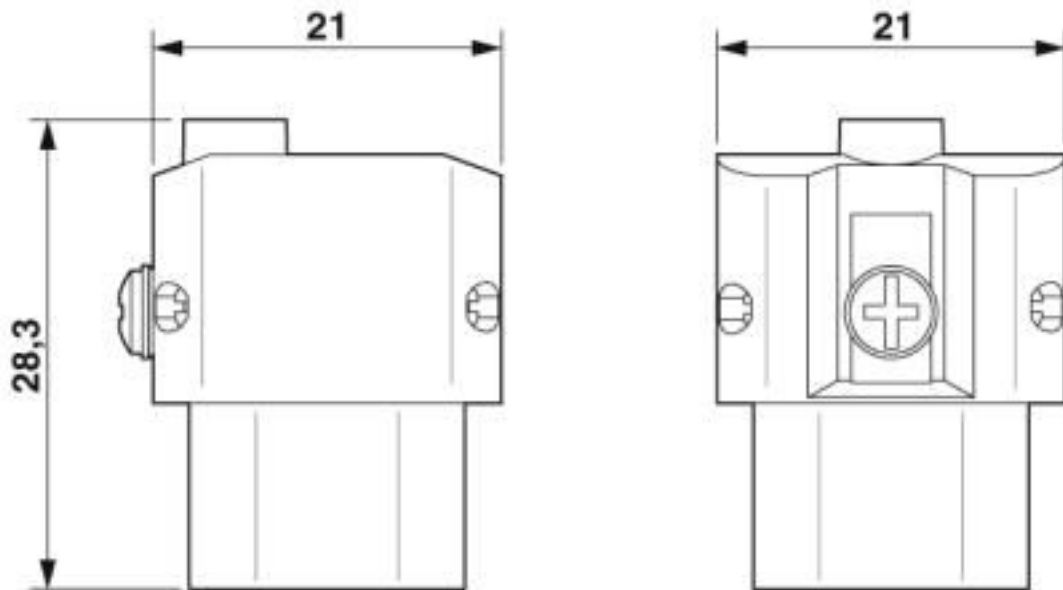
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Diagram



Derating diagram

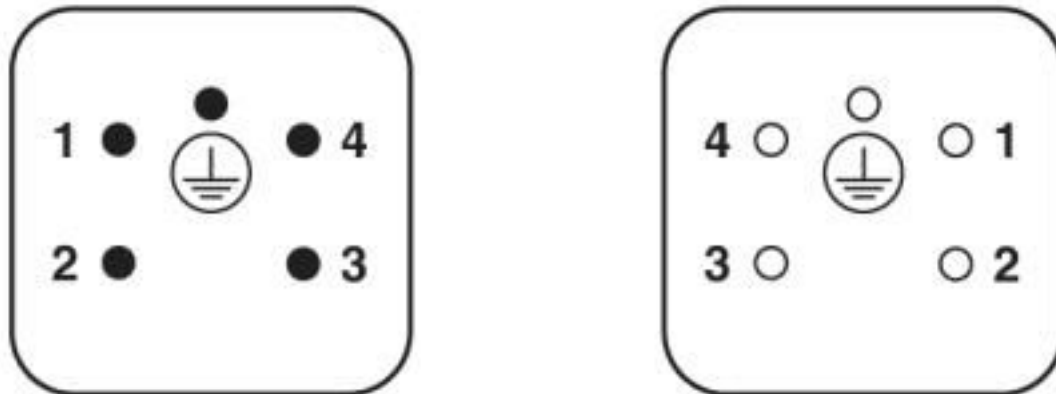
Dimensional drawing



Female insert

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Schematic diagram



Connector pin assignment connection side: Left pin; right socket

## 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 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 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121522 |
| UNSPSC 18.0   | 39121522 |
| UNSPSC 19.0   | 39121522 |
| UNSPSC 20.0   | 39121522 |
| UNSPSC 21.0   | 39121522 |

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## Approvals


### Approvals

#### Approvals


CSA / EAC / EAC / UL Recognized / DNV GL


#### Ex Approvals

### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
| Nominal voltage UN         |   | 600 V   |       |
| Nominal current IN         |   | 18 A  |       |
| mm <sup>2</sup> /AWG/kcmil |   | 14  |       |

|     |   |  |                          |
|-----|---|--|--------------------------|
| EAC |  |  | RU C-<br>DE.AI30.B.01102 |
|-----|---|--|--------------------------|

|     |   |  |                          |
|-----|---|--|--------------------------|
| EAC |  |  | RU C-<br>DE.BL08.B.00511 |
|-----|---|--|--------------------------|

|                            |   |   |         |
|----------------------------|---|---|---------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E118976 |
| Nominal voltage UN         |   | 600 V   |         |
| Nominal current IN         |   | 24 A  |         |
| mm <sup>2</sup> /AWG/kcmil |   | 14  |         |

|        |   |   |            |
|--------|---|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE000037S |
|--------|---|---|------------|

## Accessories

### Accessories

### Coding element

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### Accessories

Coding profile - HC-MOD-K-CP - 1408562

Coding profile for HC-MOD-K... housing



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### Mounting material

Sealing screw - HC-D 7-DS-IP65 - 1686229



Sealing screw, size: Countersunk head, IP67, replacement part for D7 size HEAVYCON housing

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### Additional products

Contact insert - HC-A04-I-UT-M - 1585236



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