

# Contact insert - HC-A03-I-UT-M - 1585210

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Contact insert, number of positions: 3+PE, size: D7, Pin, Screw connection, 230/400 V, 24 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 STK         |
| GTIN         |               |
| GTIN         | 4046356284943 |

## Technical data

### General

|   |  |
|---|--|
| Note                                    | for housing HC-D7  |
| Connection method                       | Screw connection   |
| Tightening torque                       | 0.25 Nm ... 0.5 Nm   |
| Screwdriver blade                       | 0.4 x 2.5 mm   |
| Degree of pollution                     | 3  |
| Overvoltage category                    | III  |
| Number of positions                     | 3+PE   |
| Insertion/withdrawal cycles             | ≥ 500  |
| Size                                    | D7   |
| Contact numbering                       | 1 - 3  |
| 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   |
| Assembly instructions                   | Connectors may be operated only when there is no load/voltage. |
| Connection                              | Already includes one IP65 sealing screw                        |

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## Technical data

### 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

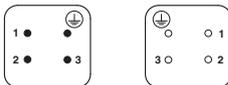
|                                  |                             |
|----------------------------------|-----------------------------|
| Rated voltage for power contacts | 230/400 V                   |
| Rated voltage (III/3)            | 230 V (Conductor-PE)        |
|                                  | 400 V (Conductor-Conductor) |
| Rated surge voltage              | 4 kV                        |
|                                  | 4 kV                        |
| Rated current                    | 24 A                        |

### Standards and Regulations

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

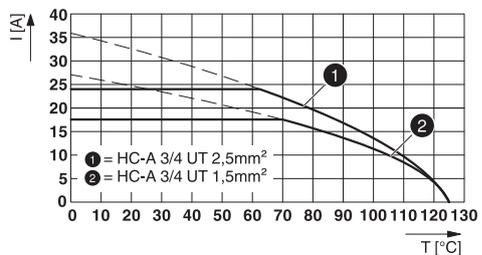
## Drawings

### Schematic diagram



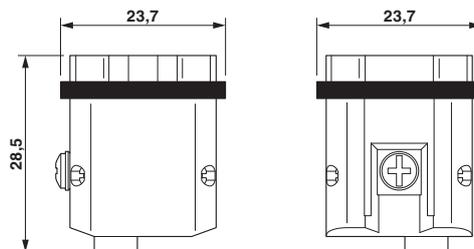
Connector pin assignment connection side: Left pin; right socket

### Diagram



Derating diagram: Series HC-A 3-E..S / HC-A 4-E..S

### Dimensional drawing



Male insert

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## Approvals

### Approvals

#### Approvals

GL / UL Recognized / CSA / EAC / EAC

#### Ex Approvals

### Approval details

|    |   |   |            |
|----|---|---|------------|
| GL |  | <a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a> | 6196614 HH |
|----|---|---|------------|

|                            |  |   |         |
|----------------------------|--|---|---------|
| 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 |
| mm <sup>2</sup> /AWG/kcmil |  | 14  |         |
| Nominal current IN         |  | 24 A  |         |
| Nominal voltage UN         |  | 600 V   |         |

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

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

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

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