

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, 230/400 V, 24 A, 0.5 mm² ... 2.5 mm²

Product Description

Contact insert
without wire protection, with IP65 sealing screw

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  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 ² ... 2.5 mm ² |
| 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 | 24 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 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

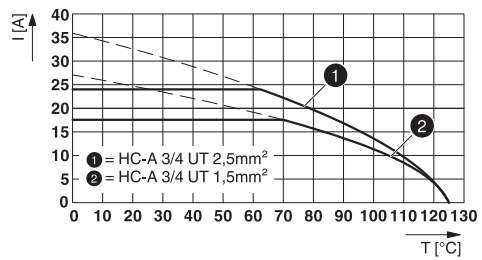
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Schematic diagram



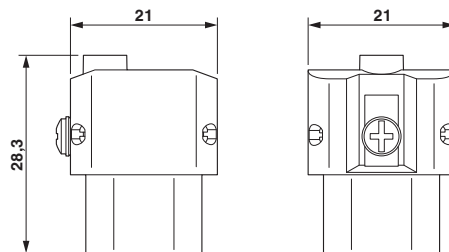
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram

Dimensional drawing



Female insert

Approvals

Approvals

Approvals

CSA / GL / UL Recognized / EAC

Ex Approvals


Approval details


| | | | |
|--------------------|--|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 18 A | |
| mm²/AWG/kcmil | | 14 | |

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Approvals

| | | | |
|----|---|---|------------|
| GL |  | http://exchange.dnv.com/tari/ | 6196614 HH |
|----|---|---|------------|

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

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|---|--------------------------|

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>