

Contact insert - HC-D 8-I-CT-F - 1584363

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Contact insert, number of positions: 8, size: D7, number of connections per position: 1, Socket, Crimp connection, 50 V, 10 A, 0.14 mm² ... 2.5 mm²

Your advantages

- ✔ Can be used in rail vehicles, satisfy DIN EN 45545-2 with requirement sets R22, R23, and R24 in hazard levels HL1, HL2, and HL3.

RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 142625 |
| GTIN | 4046356142625 |
| Weight per Piece (excluding packing) | 9.000 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|------------------------------------|---|
| Note | For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply) |
| | Product already includes one IP65 sealing screw |
| Connection method | Crimp connection |
| Number of connections per position | 1 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 8 |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | D7 |
| Contact numbering | 1 - 8 |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |

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Technical data

General

| | |
|---|---|
| Connection cross section AWG | 26 ... 14 |
| Stripping length of the individual wire | 8 mm (0.14 ... 1.5 mm ²) |
| | 6 mm (2.5 mm ²) |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|--|

Material data

| | |
|--------------------------|---|
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| 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 (III/3) | 50 V |
| Rated surge voltage | 0.8 kV |
| Rated current | 10 A |

Standards and Regulations

| | |
|--|----------------------------|
| Constructional and testing regulations | DIN VDE 0627/86 |
| | DIN VDE 0110/02.79 |
| | DIN VDE 0110-1/04.97 |
| | IEC 60664-1, DIN IEC 60512 |
| | IEC 60352 |
| Flammability rating according to UL 94 | V0 |

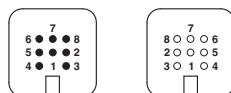
Environmental Product Compliance

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

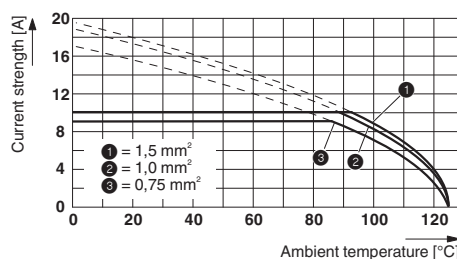
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Schematic diagram



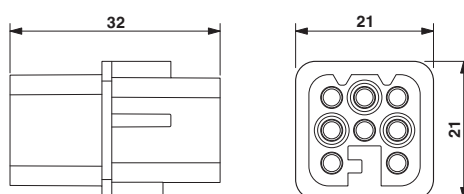
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Female insert

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27140816 |
| eCl@ss 5.0 | 27143424 |
| 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 2.0 | EC000438 |
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

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 | | 10 A | |
| mm²/AWG/kcmil | | 14 | |

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

| | | | |
|--------------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 12 A | |
| mm²/AWG/kcmil | | 14 | |

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

Accessories

Accessories

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Accessories

Assembly tool

Contact removal tool - VC-EW 1,6 - 1884869



Contact removal tool, for turned and rolled CK- 1.6-... contacts

Coding element

Dummy socket - CK1,6-ED-BB - 1645888



Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts

Crimp contact

Crimp contact - CK1,6-ED-0,37BU AG - 1663394



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², silver-plated

Crimp contact - CK1,6-ED-0,50BU AG - 1663404



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,75BU AG - 1663417



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

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Accessories

Crimp contact - CK1,6-ED-1,00BU AG - 1663420



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK1,6-ED-1,50BU AG - 1663433



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK1,6-ED-2,50BU AG - 1663446



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,37BU AU - 1674969



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², gold-plated

Crimp contact - CK1,6-ED-0,50BU AU - 1674480



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

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Accessories

Crimp contact - CK1,6-ED-0,75BU AU - 1672440



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², gold-plated

Crimp contact - CK1,6-ED-1,00BU AU - 1674943



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², gold-plated

Crimp contact - CK1,6-ED-1,50BU AU - 1674930



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK1,6-ED-2,50BU AU - 1674985



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool
