

## Contact insert - HC-Q04-I-CT-F - 1419899

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Contact insert, number of positions: 4, size: D7, number of connections per position: 1, Socket, Crimp connection, 830 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power, Only suitable for plastic housings



COMPLIANT

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 0 5 5 6 2 6 2 5 6 1 8 4 |
| GTIN         | 4055626256184   |

### Technical data

#### General

|   |   |
|---|---|
| Note                                    | for HC-STA-D07 housing, CK 4,0 crimp contacts   |
|   | Connectors may be operated only when there is no load/voltage.                            |
|   | Order crimp contacts separately   |
| Connection method                       | Crimp connection  |
| Number of connections per position      | 1   |
| Degree of pollution                     | 3   |
| Overvoltage category                    | III   |
| Number of positions                     | 4   |
| Insertion/withdrawal cycles             | ≥ 500   |
| Size                                    | D7  |
| Contact numbering                       | 1 - 4   |
| Conductor cross section                 | 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Connection cross section AWG            | 16 ... 10   |
| Stripping length of the individual wire | 9 mm (1.5 ... 6.0 mm <sup>2</sup> )   |
|   | 11 mm (for 10 mm <sup>2</sup> )   |
| Assembly instructions                   | To ensure correct use, installation in housing with IP54 protection or better is required |

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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           |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 830 V |
| Rated surge voltage   | 8 kV  |
| Rated current         | 40 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                         |

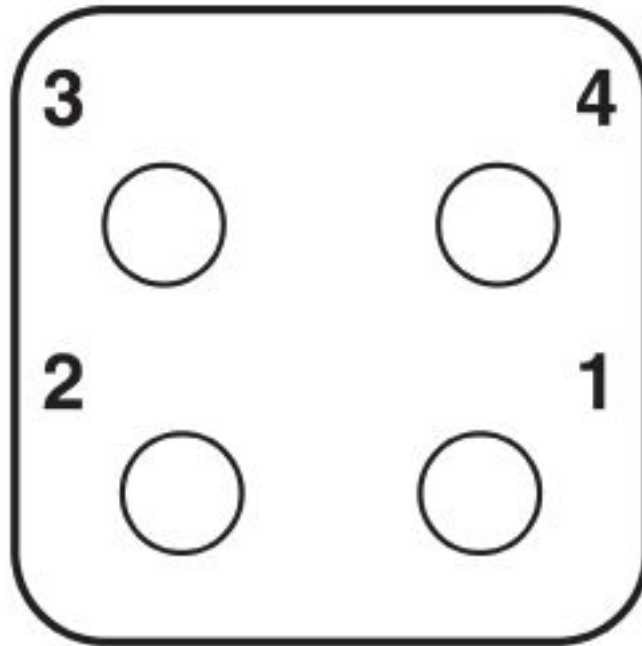
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

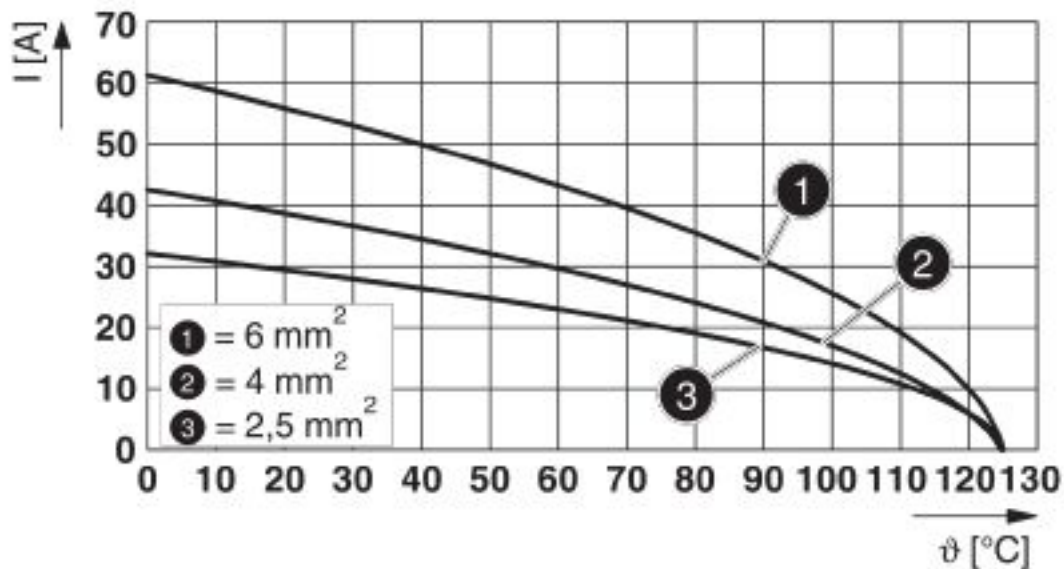
# Contact insert - HC-Q04-I-CT-F - 1419899

Schematic diagram



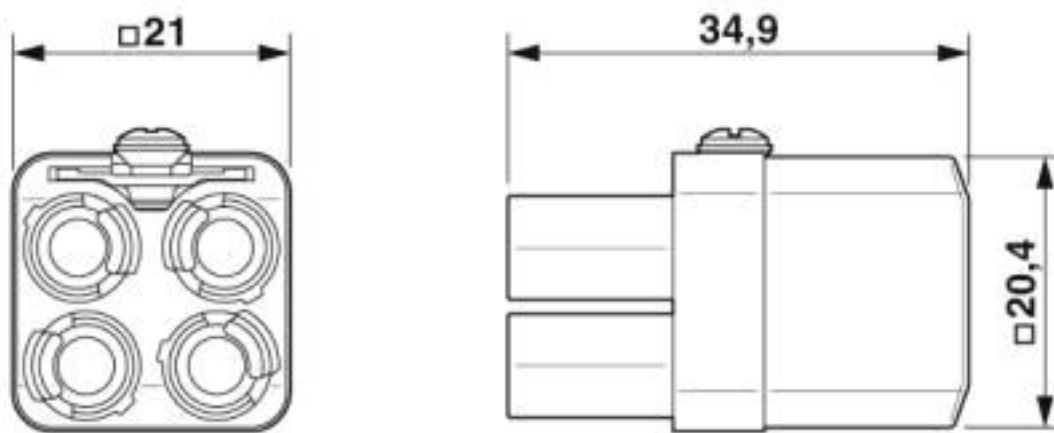
# Contact insert - HC-Q04-I-CT-F - 1419899

Diagram



Derating diagram

Dimensional drawing



Female insert

## 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 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |
| ETIM 7.0 | EC000438 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121522 |
| UNSPSC 18.0 | 39121522 |
| UNSPSC 19.0 | 39121522 |
| UNSPSC 20.0 | 39121522 |
| UNSPSC 21.0 | 39121522 |

## Approvals


### Approvals

#### Approvals


EAC / EAC / UL Recognized

#### Ex Approvals

### Approval details

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

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## Approvals

|                            |      |
|----------------------------|------|
| Nominal current IN         | 50 A |
| mm <sup>2</sup> /AWG/kcmil | 8    |

## Accessories

### Accessories

#### Coding element

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

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



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## Crimp contact

Crimp contact - CK4,0-ED-1,50BU AG - 1663271



Turned 4.0 crimp contact, individual female contact, core diameter 1.50 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-2,50BU AG - 1663284



Turned 4.0 crimp contact, individual female contact, core diameter 2.50 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-4,00BU AG - 1663297



Turned 4.0 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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## Contact insert - HC-Q04-I-CT-F - 1419899

### Accessories

Crimp contact - CK4,0-ED-6,00BU AG - 1663307



Turned 4.0 crimp contact, individual female contact, core diameter 6.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-10,00BU AG - 1586183



Turned 4.0 crimp contact, single socket contact, 10 mm<sup>2</sup> conductor cross section, silver-plated

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### 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

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Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

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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-Q04-I-CT-F - 1419899

### Accessories

Contact insert - HC-Q04-I-CT-M - 1419898



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