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Contact insert - HC-HS 2-D7-EBUS - 1586264

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HEAVYCON female insert, HS2 series, 2+PE-pos., axial screw connection

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 10 STK |
| GTIN | 4 046356 410212 |

Technical data

General

| | |
|---|--|
| Connection method | Axial screw connection |
| Tightening torque | 1.8 Nm |
| Degree of pollution | 3 |
| Overvoltage category | III |
| 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 |
| Number of positions | 2+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | D7 |
| Conductor cross section | 4 mm ² ... 10 mm ² |
| Connection cross section AWG | 10 ... 8 |
| Stripping length of the individual wire | 8 mm +1 |
| Assembly instructions | -The axial screw connection must be established using a 2 mm Allen wrench. -Use only stranded wires for axial screw connection. -Plug-in connections may only be operated only when there is no load/voltage. |
| Connection | Note regarding axial connection technology: Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used. Use of cables with a geometric cross section very different from the cable's nominal cross section should be checked before use. |

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Technical data

General

| | |
|--|---|
| | <p>The wiring space of the axial screw method is established for fine strand cables in accordance with VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) should be checked before use.</p> <p>Assembly instructions</p> <p>Before assembly, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted.</p> <p>The wires should be inserted as far as they will go into the contact chamber (until the insulation touches the contact). Hold the wires in position and use the socket wrench to tighten. The used wire end should be cut off before connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable should be mechanically intercepted at an appropriate distance from the connection point (e.g., by using a plate cutout). DIN VDE 0100-520:2003-06 contains information on how to do this correctly. When not using PE contacts: set the PE contact as far as possible in a clockwise direction.</p> |
|--|---|

Ambient conditions

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

Material data

| | |
|--|--------------|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |

Electrical characteristics

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 400 V |
| Rated surge voltage | 6 kV |
| Rated current | 40 A |

Standards and Regulations

| | |
|--|----------------------------|
| Connection in acc. with standard | CUL |
| 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 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 7.0 | 27440209 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11 | 39121522 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

Approvals

Approvals


Approvals

UL Recognized / cUL Recognized / EAC / GL / cULus Recognized

Ex Approvals


Approvals submitted

Approval details

| | |
|---|-------|
| UL Recognized  | |
| mm²/AWG/kcmil | 12 |
| Nominal current I _N | 28 A |
| Nominal voltage U _N | 400 V |


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Approvals

| | |
|--|-------|
| cUL Recognized  | |
| | |
| mm²/AWG/kcmil | 12 |
| Nominal current I _N | 26 A |
| Nominal voltage U _N | 400 V |

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|-----|
| EAC |
|-----|

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|----|
| GL |
|----|

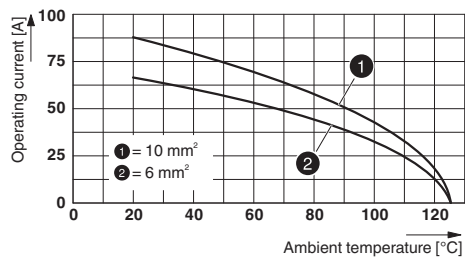
| |
|--|
| cULus Recognized  |
|--|

Drawings

Schematic diagram

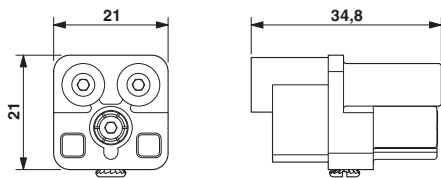


Diagram

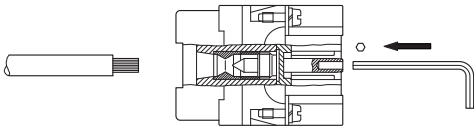


Derating diagram: Series HC-HS2-D7-E...S

Dimensional drawing



Schematic diagram



Axial connection

Female insert

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