

Contact insert module - HC-M-HS 200/70-MOD-ST-PE - 1636907


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HEAVYCON contact insert module, connector, 1-pos., for axial screw connection, 200 A, 40-70 mm², for the PE connection



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 095211 |
| GTIN | 4046356095211 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 54.5 mm |
| Width | 34.2 mm |
| Length | 29.4 mm |

Electrical characteristics

| | |
|--------------------|-------|
| Rated current | 200 A |
| Connection profile | PE |

Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

Mechanical characteristics

| | |
|---|---|
| Conductor cross section | 40 mm ² ... 70 mm ² (The cross section specification refers to the geometric cross section of the cable used) |
| Connection cross section AWG | 1 ... 00 |
| Stripping length of the individual wire | 16 mm |
| Tightening torque | 9 Nm (40 ... 50 mm ²) 10 Nm (70 mm ²) |
| Wire diameter including insulation | 12 mm (40 mm ²) 16 mm (70 mm ²) |

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Technical data

Mechanical characteristics

| | |
|-----------------------------|-------|
| Hexagonal socket | WAF 5 |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 72 mm |

General

| | |
|--|--|
| Note | For HEAVYCON HC-B6 to B48 housing (housing height: min. 72 mm), HC-M-MHR... hinged retaining frame required, axial connection for 5 mm Allen key |
| Series | HC-M-HS |
| Number of module slots | 2 |
| Connection method | Axial screw connection |
| Flammability rating according to UL 94 | V0 |
| Assembly instructions | <ul style="list-style-type: none"> - Use only flexible conductors, - Connection of wires with 5 mm an Allen wrench, - Housing height $h \geq 72$ mm, - Connectors may only be operated without load/voltage. |
| Connection | <p>Note on 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 that differs greatly from the nominal cross section of the cable should be checked before use. The wiring space for axial screw technology is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) should be checked before use.</p> <p>Assembly instructions Before assembly, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted. 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. The module cannot be used simultaneously with HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.</p> <p>PE mounting plate The PE plate must be pressed hard against the swing frame using the 4 screws. First loosen the 4 screws of the PE plate and then tighten them again once the module is fixed in the swing frame.</p> |

Material data

| | |
|--------------------------|--------------|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |

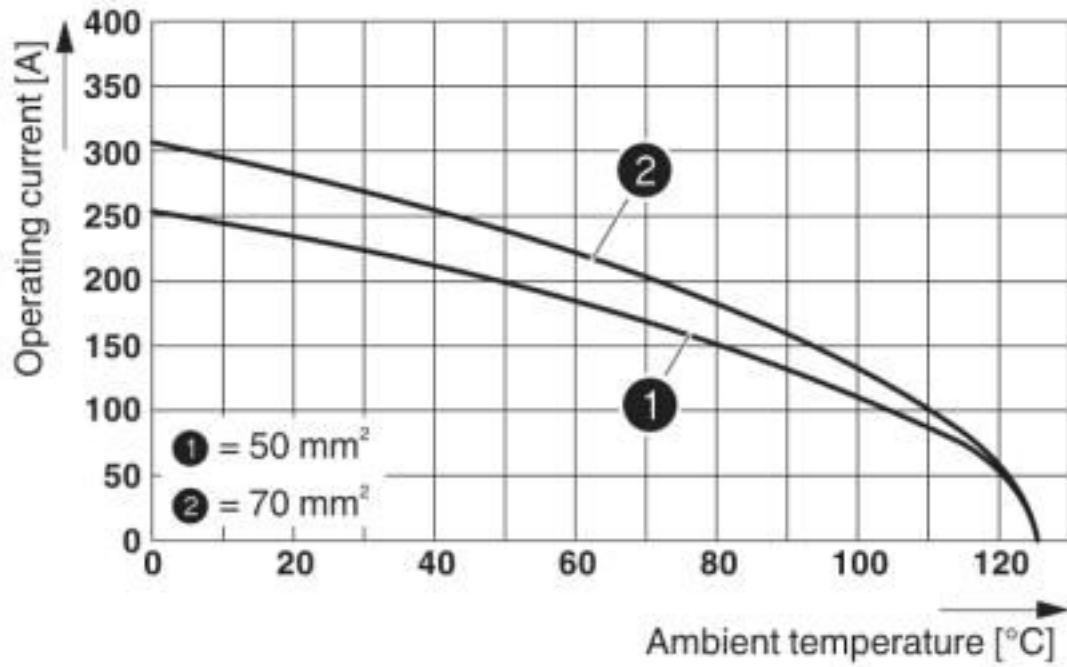
Standards and Regulations

| | |
|--|----|
| Connection in acc. with standard | UL |
| Flammability rating according to UL 94 | V0 |

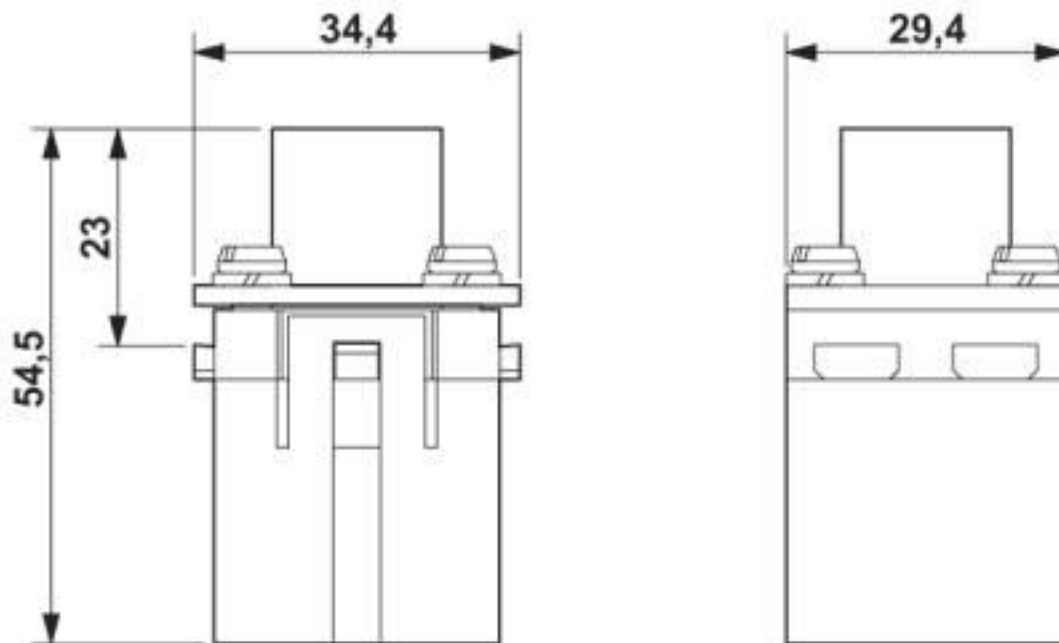
Drawings

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Diagram



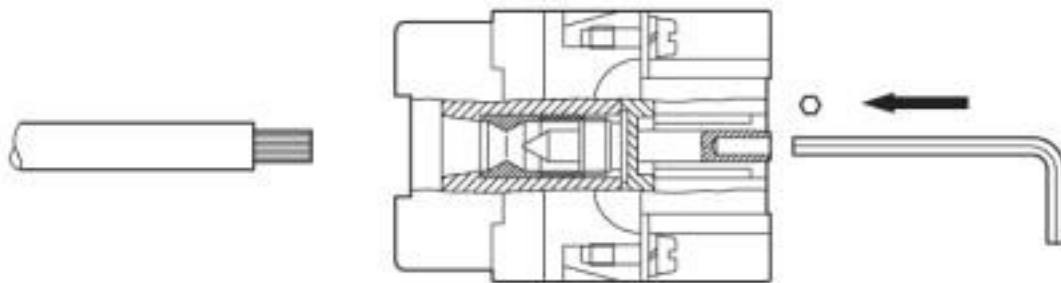
Dimensional drawing



Male insert

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Schematic diagram



Axial screw connection

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| 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 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 |
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |
| UNSPSC 19.0 | 39121522 |

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