

# 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 mm<sup>2</sup>, for the PE connection



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 095211
Weight per Piece (excluding packing)	97.6 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Electrical characteristics

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
Rated current	200 A
Number of positions	1

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Mechanical characteristics

Conductor cross section	40 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Connection cross section AWG	1 ... 00
Stripping length of the individual wire	16 mm
Tightening torque	9 Nm (40 - 50 mm <sup>2</sup> ) 10 Nm (70 mm <sup>2</sup> )
Wire diameter including insulation	12 mm (40 mm <sup>2</sup> ) 16 mm (70 mm <sup>2</sup> )

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## Technical data

### Mechanical characteristics

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

### General

Series	HC-M-HS
Number of module slots	2
Connection method	Axial screw connection
Inflammability class according to UL 94	V0
Assembly instructions	<ul style="list-style-type: none"> <li>- Use only flexible conductors,</li> <li>- Connection of wires with 5 mm an Allen wrench,</li> <li>- Housing height <math>h \geq 72</math> mm,</li> <li>- Connectors may only be operated without load/voltage.</li> </ul>
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

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424

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## Classifications

### eCl@ss

eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440207

### 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

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#### Approvals

UL Recognized / EAC

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

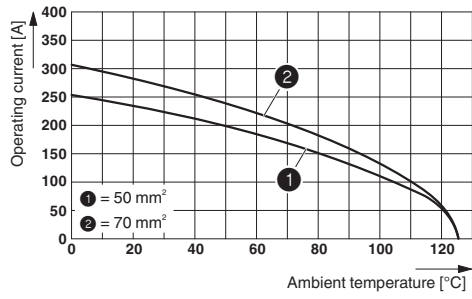
UL Recognized	
mm <sup>2</sup> /AWG/kcmil	2
Nominal current I <sub>N</sub>	200 A
Nominal voltage U <sub>N</sub>	600 V

EAC
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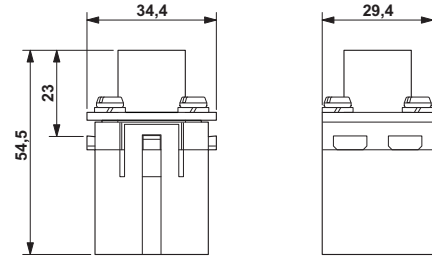
## Drawings

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

Diagram

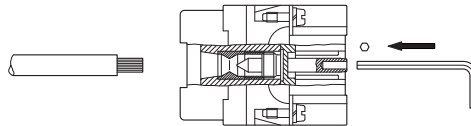


Dimensioned drawing



Male insert

Schematic diagram



Axial screw connection