

# Contact insert module - HC-M-HS 200/40-MOD-ST - 1637168


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HEAVYCON contact insert module, connector, 1-pos., for axial screw connection, 200 A, 25-40 mm<sup>2</sup>



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 095372
Weight per Piece (excluding packing)	71.6 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Electrical characteristics

Note	Required for housing HC-B6 to B48, (housing height min. 72 mm), housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR..., axial connection for 5 mm Allen wrench
Rated voltage (III/3)	1000 V
Rated current	200 A
Rated surge voltage	8 kV
Number of positions	1

### Ambient conditions

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

Conductor cross section	25 mm <sup>2</sup> ... 40 mm <sup>2</sup>
Connection cross section AWG	3 ... 2
Stripping length of the individual wire	16 mm
Tightening torque	8 Nm (25-35 mm <sup>2</sup> ) 9 Nm (40 mm <sup>2</sup> )
Wire diameter including insulation	12 mm (25 mm <sup>2</sup> )

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## Technical data

### Mechanical characteristics

	16 mm (40 mm <sup>2</sup> )
Hexagonal socket	WAF 5
Insertion/withdrawal cycles	≥ 500

### General

Series	HC-M-HS
Number of module slots	2
Connection method	Axial screw connection
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III
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 h ≥ 72 mm,</li> <li>- Connectors may only be operated without load/voltage.</li> </ul>
Connection	<p>Note regarding axial connection technology:                      Only for stranded axial 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.                      The wiring space of the axial screw method 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>Connection                      Before starting to connect, 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 in the contact chamber (until the insulation touches the contact). Hold wires in position and use 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 the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.</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	27440209

### 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 / GOST

#### Ex Approvals

#### Approvals submitted

### Approval details

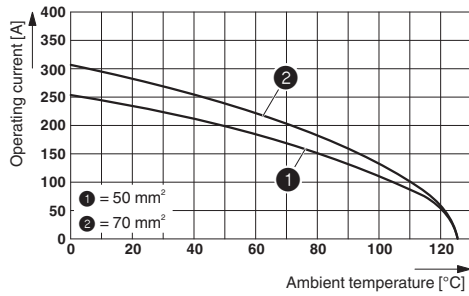
UL Recognized	
mm <sup>2</sup> /AWG/kcmil	2-0
Nominal current I <sub>N</sub>	200 A
Nominal voltage U <sub>N</sub>	600 V

GOST	
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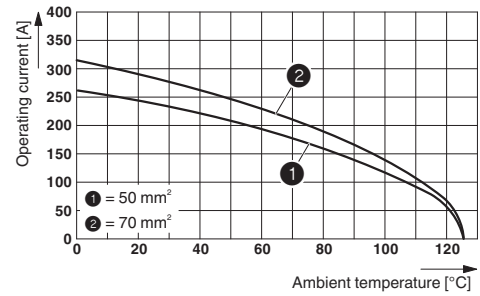
## Drawings

Diagram



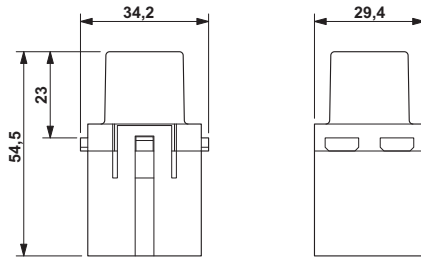
Derating diagram (3 modules in HC-B 24 housing)

Diagram



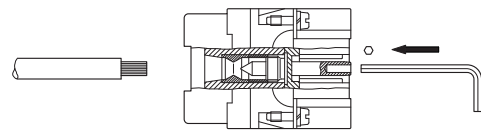
Two modules in B24 housing

Dimensioned drawing



Male insert

Schematic diagram



Axial screw connection