

HC-M-HS 200/40-MOD-BU - Contact insert module



1637171

<https://www.phoenixcontact.com/us/products/1637171>

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HEAVYCON contact insert module, socket, 1-pos., for axial screw connection, 200 A, 25 mm² ... 40 mm²

Commercial data

Item number	1637171
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	BF7ACB
Catalog page	Page 551 (C-4-2015)
GTIN	4046356095389
Weight per piece (including packing)	69.2 g
Weight per piece (excluding packing)	69.2 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	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
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Mounting

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. <p>Note regarding axial connection technology:</p> <p>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. 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</p> <p>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>
Hexagonal socket	WAF 5

Product properties

Product type	Modular contact insert
Number of positions	1
Connection profile	1
Application	Power
Number of module slots	2
Series	HC-M-HS

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

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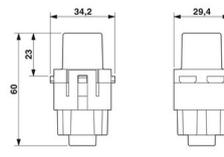
Connection technology

Connection technology	Axial screw connection
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Conductor connection

Conductor cross section	25 mm ² ... 40 mm ² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	3 ... 2
Tightening torque	8 Nm (25 mm ² ... 35 mm ²)
	9 Nm (40 mm ²)
Stripping length of the individual wire	16 mm

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	60 mm
Length	29.4 mm

Mechanical characteristics

Minimum housing height	72 mm
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Electrical properties

Rated voltage (III/3)	1000 V
Rated surge voltage	8 kV
Rated current	200 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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

Environmental and real-life conditions

Ambient conditions

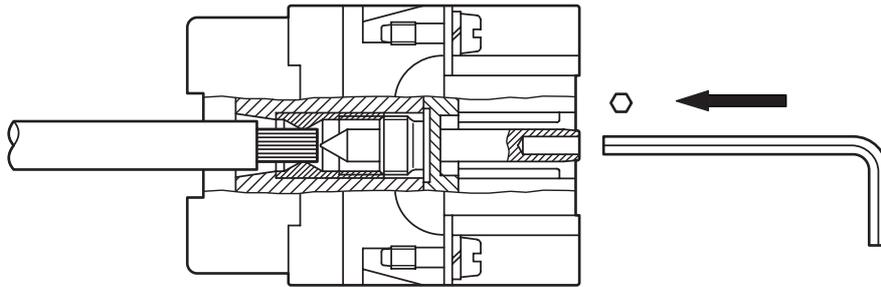
Ambient temperature (operation)	-40 °C ... 125 °C
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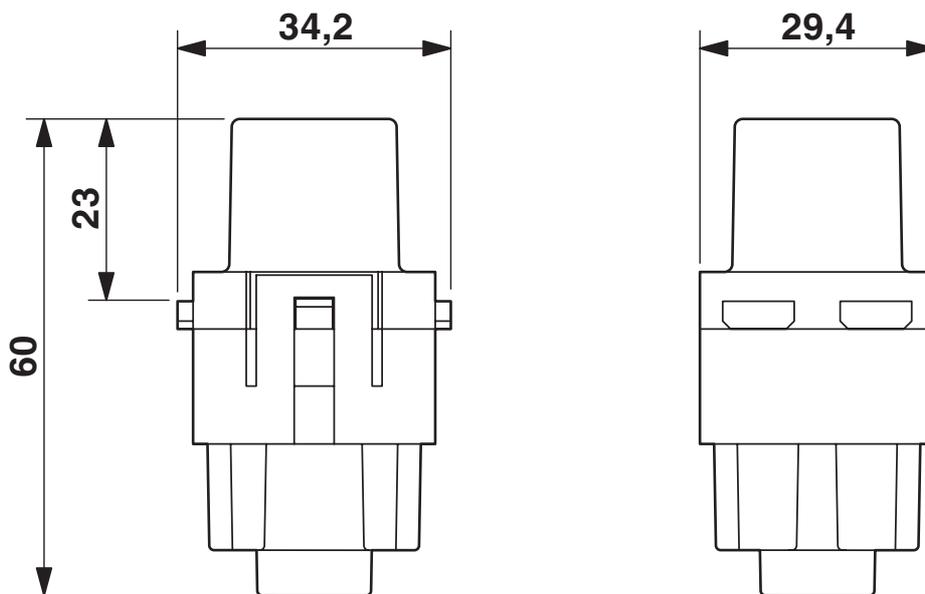
<https://www.phoenixcontact.com/us/products/1637171>

Drawings

Schematic diagram

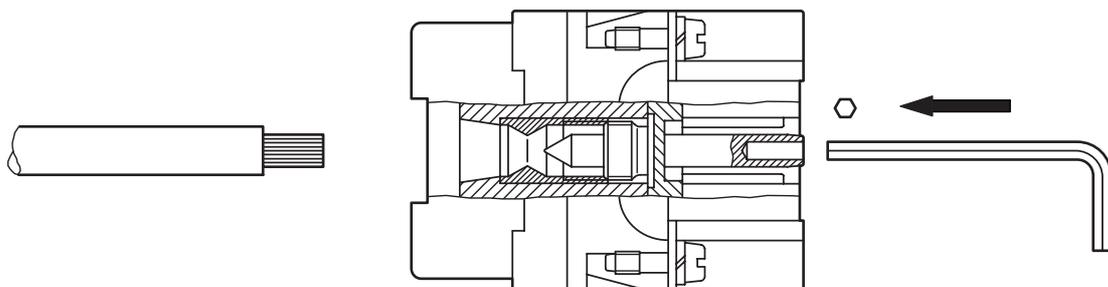


Dimensional drawing



Female insert

Schematic diagram

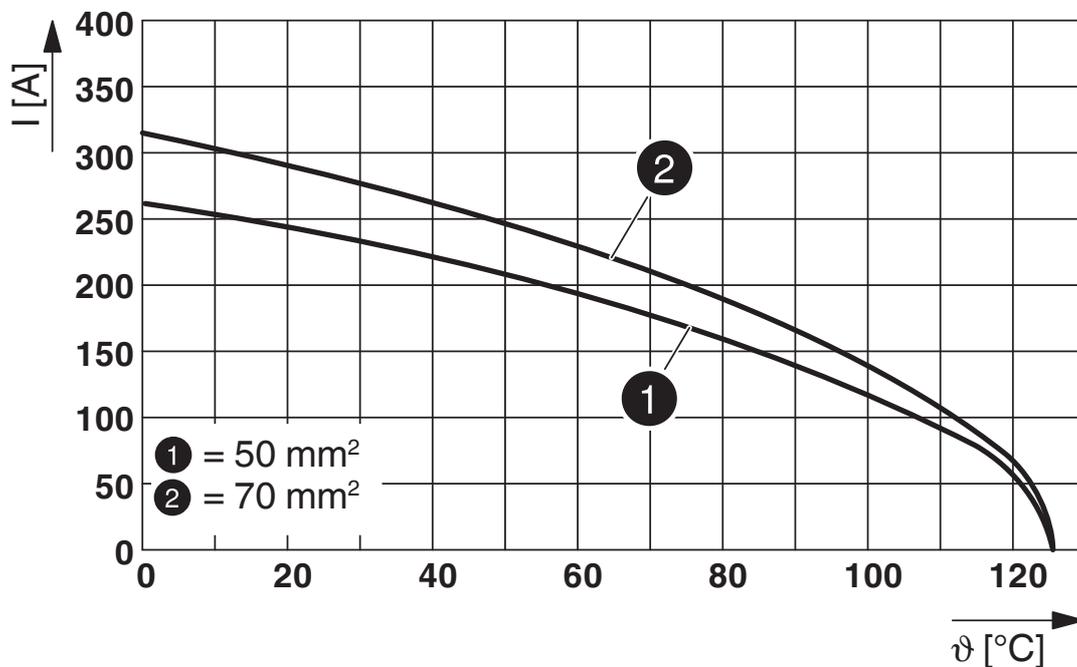


Axial connection

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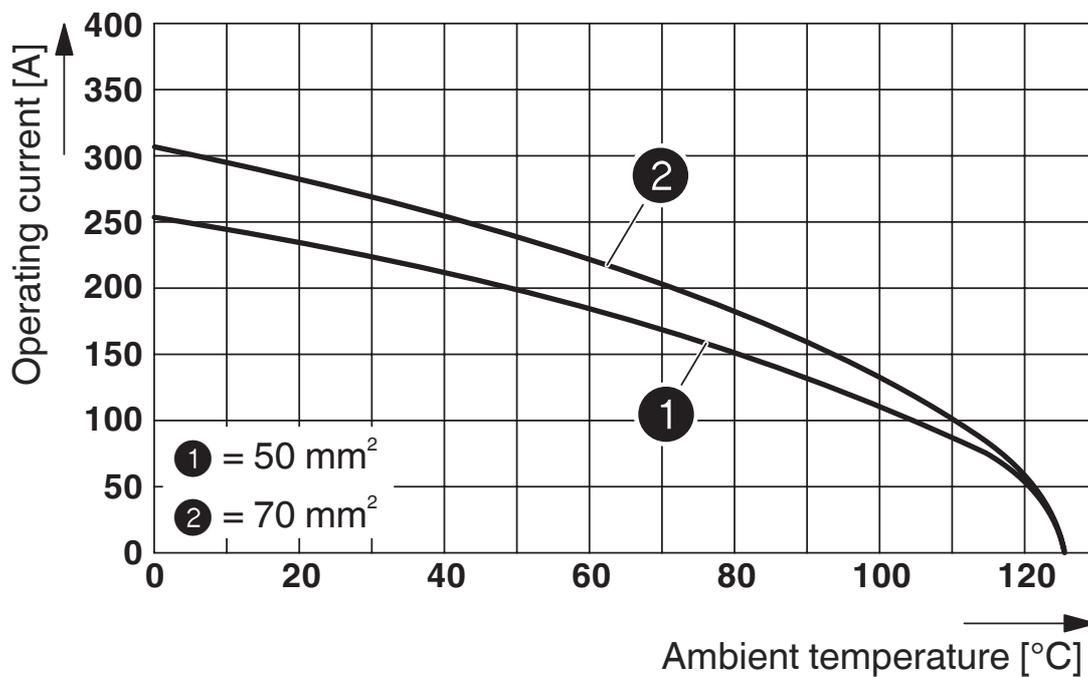
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Diagram



Two modules in B24 housing

Diagram



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

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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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