

HC-M-02-HS-70/16-MOD-BU

Order No.: 1585715



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HEAVYCON contact insert module, socket, 2-pos. to 70 A, 16 mm²
axial screw connection

Commercial data

GTIN (EAN)	4 046356 308212
sales group	D042
Pack	2 pcs.
Customs tariff	85389099
Catalog page information	Page 539 (PC-2011)

Product notes

WEEE/RoHS-compliant since:
08/14/2007



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Technical data

Electrical characteristics

Note	for housing HC-B6 to B48, for housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR... necessary, axial screw connection for 2.5 mm Allen wrench:
Rated voltage (III/3)	1000 V
Rated current	70 A

Rated surge voltage	8 kV
Ambient temperature (operation)	-40 °C ... 125 °C
Number of positions	2

Mechanical characteristics

Conductor cross-section	6 mm ² ... 16 mm ²
Connection cross-section AWG	8 ... 6
Stripping length of the individual wire	11 mm + 1
Tightening torque	2 Nm (6 mm ²)
	3 Nm (10 mm ²)
	4 Nm (16 mm ²)
Wire diameter including insulation	8.9 mm
Hexagonal socket	SW2,5
Insertion/withdrawal cycles	≥ 500

General characteristics

Series	HC-M-HS
Number of module slots	1
Connection method	Axial screw connection
Inflammability class acc. to UL 94	V0
Pollution degree	3
Surge voltage category	III
Assembly instructions	Use 2.5 mm Allen wrenches for axial connection. Only for stranded wires. For housing heights $h \geq 52$ mm. 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 conductor cross-sections stated refer to the geometric cross-section of the cable used. Use of cables with a geometric cross-section very different from that of 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. 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 cores should be slid to the limit stop in the contact chamber (until insulation touches contact). Hold cores in position and use socket wrench to tighten. The used core end should be cut off before connecting again. The connection screw may only be retightened once to prevent the strands from breaking. To prevent damage to the contact, the core / 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.
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Material data

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

Certificates / Approvals

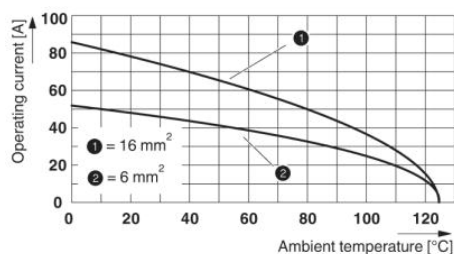


Certification

UL

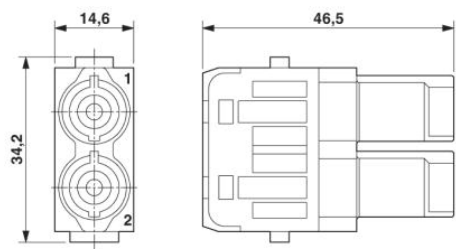
Diagrams/Drawings

Diagram



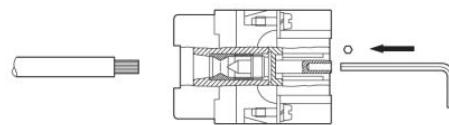
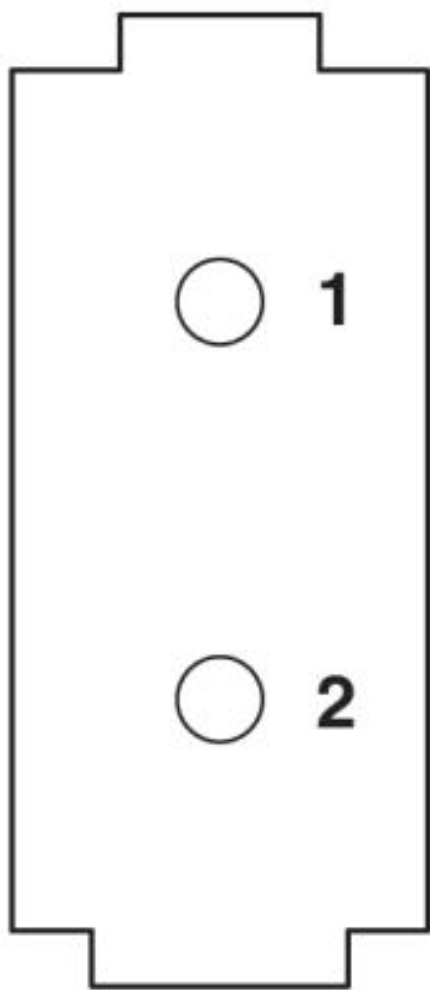
Derating diagram (6 modules in HC-B 24 housing)

Dimensioned drawing



Socket module

Schematic diagram



Axial screw connection

Connector pin assignment, connection side

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