


# HC-M-02-HS-70/22-MOD-ST

Order No.: 1585728



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1585728>

HEAVYCON contact insert module, pin, 2-pos. to 70 A, axial screw connection

Commercial data	
GTIN (EAN)	4  046356 308229
sales group	D042
Pack	2 pcs.
Customs tariff	85389099
Catalog page information	Page 453 (PC-2009)

### 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
<b>Mechanical characteristics</b>	
Conductor cross-section	14 mm <sup>2</sup> ... 22 mm <sup>2</sup>
Connection cross-section AWG	4
Stripping length of the individual wire	11 mm + 1 (14 mm <sup>2</sup> ... 16 mm <sup>2</sup> )
	12.5 mm + 1 (for 22 mm <sup>2</sup> )
Tightening torque	4 Nm (for 14 mm <sup>2</sup> ... 16 mm <sup>2</sup> )
	5 Nm (22 mm <sup>2</sup> )
Wire diameter including insulation	10 mm
Hexagonal socket	SW2,5
Insertion/withdrawal cycles	≥ 500
<b>General characteristics</b>	
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	<b>Note regarding axial connection technology:</b> 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. <b>Connection</b> 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.

**Material data**

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

**Certificates / Approvals**

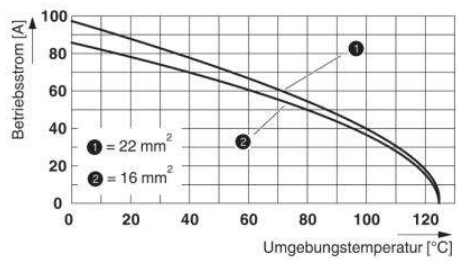


Certification

UL

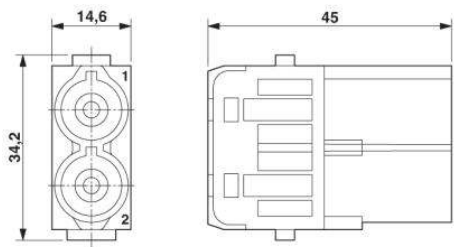
**Diagrams/Drawings**

Diagram



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

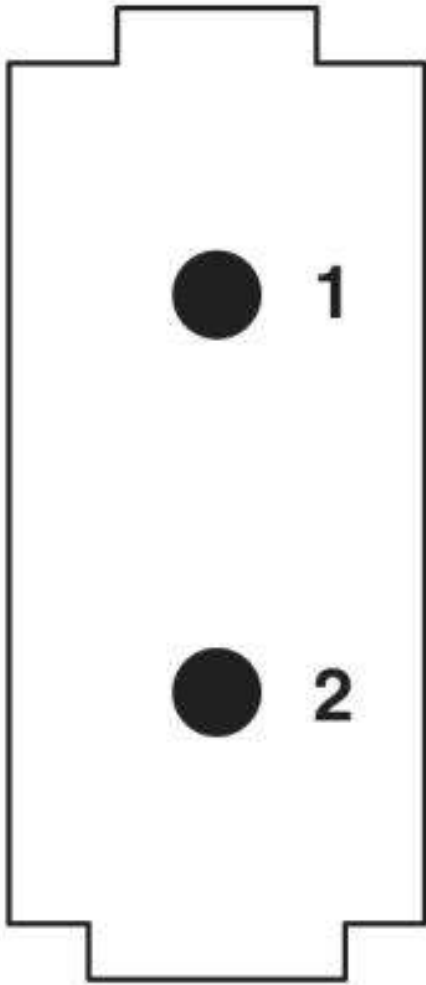
Dimensioned drawing



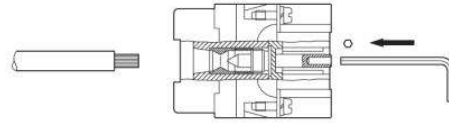
Pin module

Schematic diagram

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Connector pin assignment, connection side



Axial screw connection

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