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



Your advantages

- Plug module is shock proof

Commercial data

Item number	1585728
Packing unit	2 pc
Minimum order quantity	2 pc
Product key	AF7ACB
GTIN	4046356308229
Weight per piece (including packing)	32,75 g
Weight per piece (excluding packing)	32,75 g
Country of origin	DE

Technical data

Notes

General	For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, axial connection for 2.5 mm Allen key
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Mounting

Assembly note	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.
	Note regarding axial connection technology: Only for stranded wires. The specified conductor cross-sections refer to the geometric cross section of the cable used. Cables with a geometric cross section which deviates significantly from the nominal cable cross section must be checked before use. The axial connection technology connection space is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) must be checked before use. Assembly instructions Before assembly, ensure that the tapered screw is fully loosened (chamber is open). Cables must not be twisted. The wires must be pushed into the contact chamber as far as they will go (until the insulation touches the contact). Hold the wires in position and tighten using an Allen key. The used wire end must be cut off before reconnection. The terminal screw must only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable must be mechanically held at an appropriate distance from the connection point (e.g., when used in a plate cut out). For notes on correct execution, see DIN VDE 0100-520:2003-06. Unused connections must be tightened with maximum torque.
Hexagonal socket	SW2,5

Product properties

Series	HC-M-02
Application	Power
Number of positions	2
Connection profile	2
Contact numbering	1 - 2
Number of module slots	1
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Connection data

HC-M-02-HS-70/22-MOD-ST - Contact insert module



1585728

<https://www.phoenixcontact.com/nl/products/1585728>

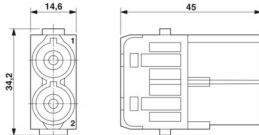
Connection technology

Connection technology	Axial screw connection
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Conductor connection

Conductor cross-section	14 mm ² ... 22 mm ²
Connection cross section AWG	6 ... 4
Tightening torque	4 Nm (for 14 mm ² ... 16 mm ²) 5 Nm (22 mm ²)
Stripping length of the individual wire	11 mm +1 mm (14 mm ² ... 16 mm ²) 12.5 mm +1 mm (for 22 mm ²)

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	45 mm
Length	14.6 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	70 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

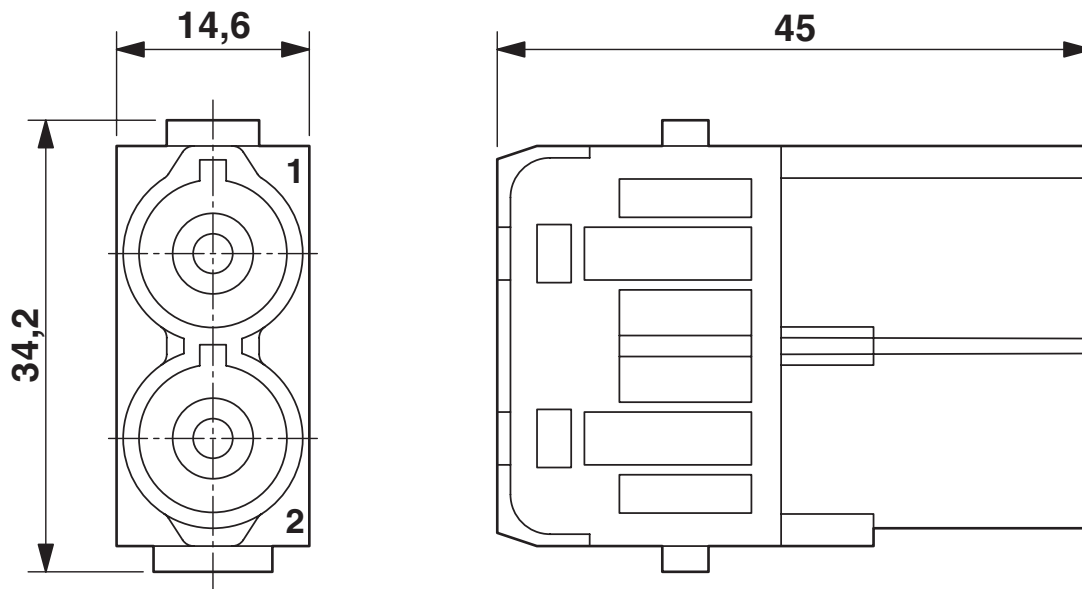
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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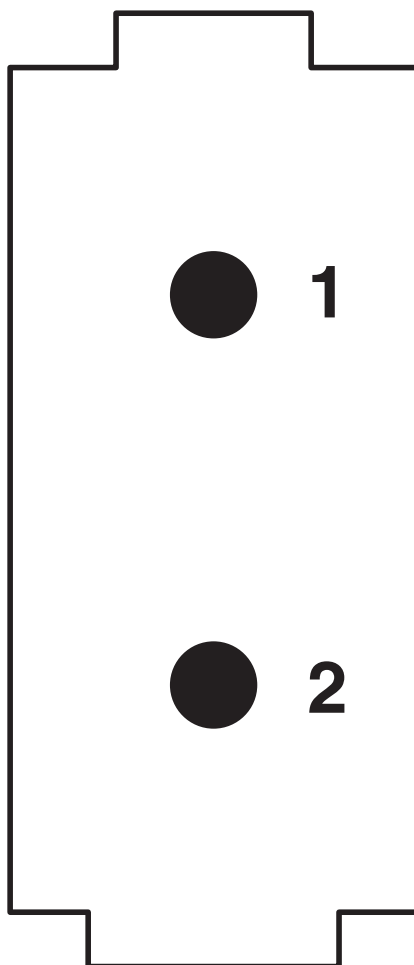
Drawings

Dimensional drawing



Pin module

Schematic diagram



Connector pin assignment, connection side

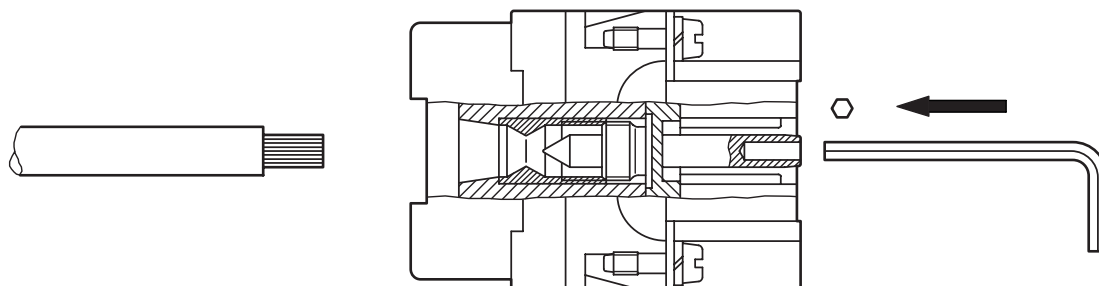
HC-M-02-HS-70/22-MOD-ST - Contact insert module



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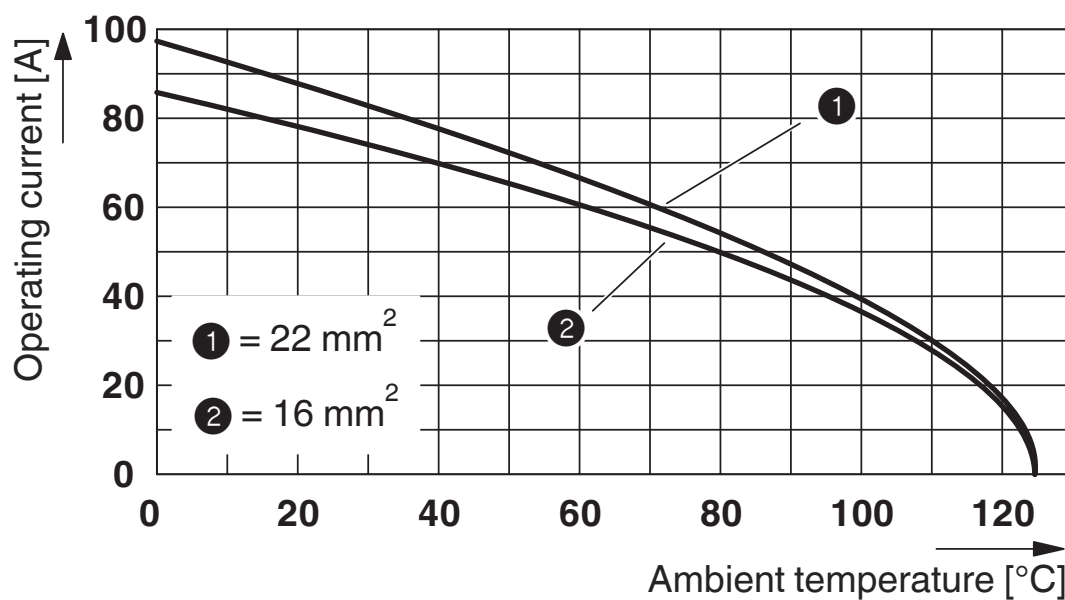
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Schematic diagram



Axial screw connection

Diagram



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

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