Contact insert module - HC-M-02-AT-M-16 - 1417297

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Pin, Axial screw connection, 1000 V, 70 A, 6 mm² ... 25 mm², application: Power

Why buy this product

- Plug module is shock proof

RoHS

Key Commercial Data

Packing unit	2 STK
Minimum order quantity	2 STK
GTIN	4 055626 112404
GTIN	4055626112404

Technical data

Dimensions

Height	45 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

Note	For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, axial connection for 2.5 mm Allen key
Rated voltage (III/3)	1000 V
Rated current	70 A
Rated surge voltage	8 kV
Connection profile	2

Ambient conditions

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

Mechanical characteristics

Contact insert module - HC-M-02-AT-M-16 - 1417297

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Mechanical characteristics

Conductor cross section	6 mm² ... 25 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	10 ... 4
Stripping length of the individual wire	11 mm +1 (6 mm² ... 16 mm²)
	12.5 mm +1 (25 mm²)
Tightening torque	2 Nm (6 mm²)
	3 Nm (10 mm² ... 25 mm²)
Contact diameter	6 mm
Wire diameter including insulation	8.9 mm
Hexagonal socket	SW2,5
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

General

Series	HC-M-02
Color	light gray
Number of module slots	1
Connection method	Axial screw connection
Connection in acc. with standard	IEC/EN
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Use 2.5 mm Allen wrenches for axial connection. Only for stranded wires. For housing heights h ≥ 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 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.

Material data

Contact material	Copper alloy

Contact insert module - HC-M-02-AT-M-16 - 1417297

Technical data

Material data

Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

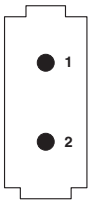
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

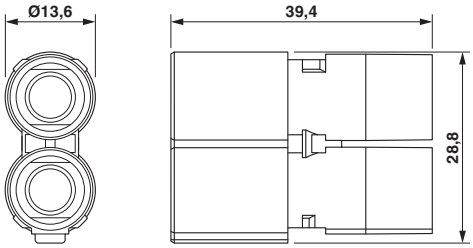
Drawings

Schematic diagram



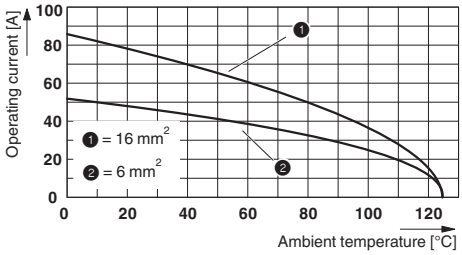
Connector pin assignment, connection side

Dimensional drawing



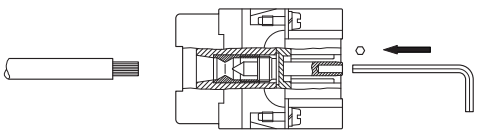
Pin module

Diagram



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

Schematic diagram



Axial screw connection

Approvals

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CSA / UL Recognized / EAC / EAC

Contact insert module - HC-M-02-AT-M-16 - 1417297

Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

mm²/AWG/kcmil	6
Nominal current IN	54 A
Nominal voltage UN	600 V

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976

mm²/AWG/kcmil	6
Nominal current IN	69 A
Nominal voltage UN	600 V

EAC		RU C-DE.AI30.B.01102

EAC		RU C-DE.AI30.B.01102

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