Contact insert module - HC-M-01-AT-F-40 - 1417379

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Contact insert module, number of positions: 1, power contacts: 1, control contacts: 0, Socket, Axial screw connection, 1000 V, 200 A, 25 mm² ... 70 mm², application: Power

RoHS

Key Commercial Data

Packing unit	2 pc
Minimum order quantity	2 pc
GTIN	4 055626 112602
GTIN	4055626112602

Technical data

Dimensions

Height	60 mm
Width	34.2 mm
Length	29.4 mm

Electrical characteristics

Rated voltage (III/3)	1000 V
Rated current	200 A
Rated surge voltage	8 kV
Connection profile	1

Ambient conditions

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

Mechanical characteristics

Conductor cross section	25 mm² ... 70 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	10 ...
Stripping length of the individual wire	16 mm
Tightening torque	8 Nm (25 mm² ... 35 mm²)

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Mechanical characteristics

	9 Nm (50 mm²)
	10 Nm (70 mm²)
Contact diameter	9.5 mm
Wire diameter including insulation	12 mm (25 mm²)
	16 mm (40 mm²)
Hexagonal socket	WAF 5
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

General

Note	For HEAVYCON HC-B6 to B48 housing (housing height: min. 72 mm), HC-M-B..-MF-... module carrier frame required, axial connection for 5 mm Allen key
	The axial screw connection must be established using a 5 mm Allen key (for stranded conductors only)
Series	HC-M-HS
Color	light gray
Number of module slots	2
Connection method	Axial screw connection
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
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 surface material	Ag
Contact carrier material	PC

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Standards and Regulations

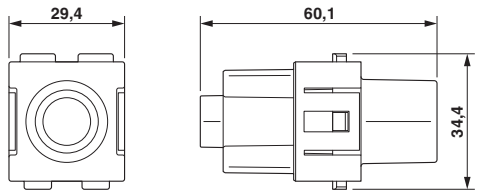
Flammability rating according to UL 94	V0

Environmental Product Compliance

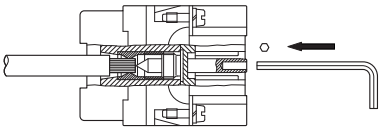
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Dimensional drawing

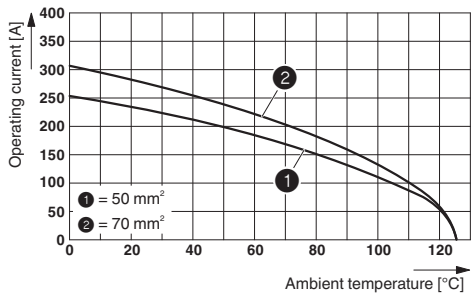


Schematic diagram



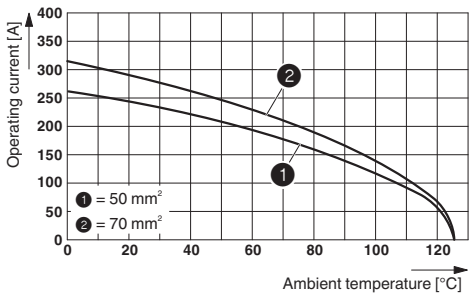
Female insert

Diagram



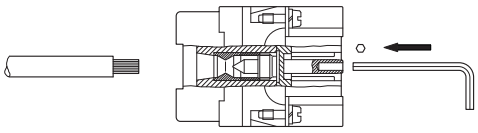
Derating diagram (3 modules in HC-B 24 housing)

Diagram



Two modules in B24 housing

Schematic diagram



Axial connection

Approvals

Approvals

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Approvals

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CSA / UL Recognized / EAC

Ex Approvals

Approval details

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

Nominal voltage UN	600 V
Nominal current IN	116 A
mm²/AWG/kcmil	0

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

Nominal voltage UN	600 V
Nominal current IN	146 A
mm²/AWG/kcmil	0

EAC		RU C-DE.AI30.B.01102

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com