Contact insert module - HC-M-01-AT-M-40 - 1417381

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Contact insert module, Number of positions: 1, Pin, Axial screw connection, 1000 V, 200 A, 25 mm² ... 70 mm², Application: Power

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	2 STK
GTIN	4 055626 112626
GTIN	4055626112626
Weight per Piece (excluding packing)	70.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Height	54.5 mm
Width	34.2 mm
Length	29.4 mm

Electrical characteristics

Note	Required for housing HC-B6 to B48, (housing height min. 72 mm), housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR..., axial connection for 5 mm Allen wrench
Rated voltage (III/3)	1000 V
Rated current	200 A
Rated surge voltage	8 kV

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Electrical characteristics

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	3 ... 00
Stripping length of the individual wire	16 mm
Tightening torque	8 Nm (25 mm² ... 35 mm²)
	9 Nm (50 mm²)
	10 Nm (70 mm²)
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

Series	HC-M-HS
Color	light gray
Number of module slots	2
Connection method	Axial screw connection
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	- Use only flexible conductors, - Connection of wires with 5 mm an Allen wrench, - Housing height h ≥ 72 mm, - Connectors may only be operated without 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. Use of cables with a geometric cross section very different from 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 wires should be inserted as far as they will go in the contact chamber (until the insulation touches the contact). Hold wires in position and use socket wrench to tighten. The used wire end should be cut off before

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General

	connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/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. The module cannot be used simultaneously with the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.

Material data

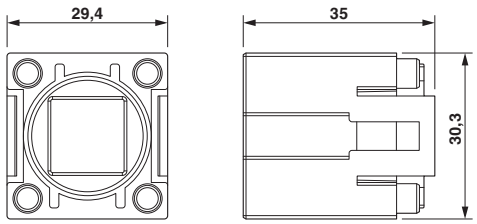
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0

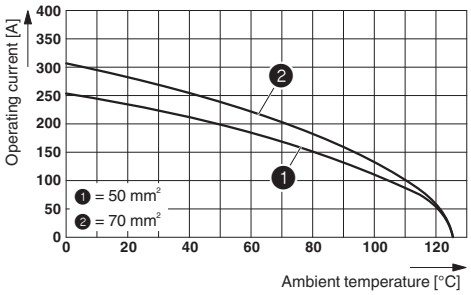
Drawings

Dimensional drawing



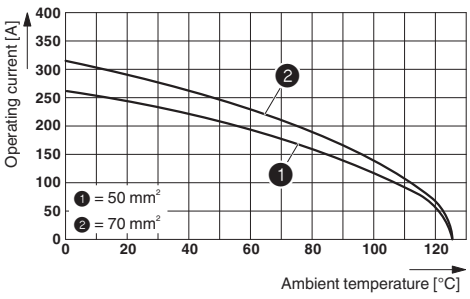
Male insert

Diagram



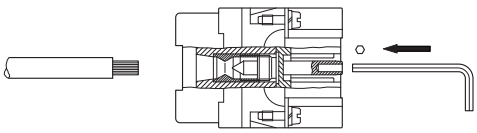
Derating diagram (3 modules in HC-B 24 housing)

Diagram



Two modules in B24 housing

Schematic diagram



Axial screw connection

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Approvals

Approvals

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EAC / CSA / UL Recognized

Ex Approvals

Approval details

EAC		7500651.22.01.00246

CSA	http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631

mm²/AWG/kcmil	00
Nominal current IN	116 A
Nominal voltage UN	600 V

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

mm²/AWG/kcmil	2
Nominal current IN	146 A
Nominal voltage UN	600 V