Contact insert module - HC-M-02-AT-F-35 - 1417390

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Contact insert module, Number of positions: 2, Socket, Axial screw connection, 1000 V, 100 A, 10 mm² ... 35 mm², Application: Power

RoHS

Key Commercial Data

Packing unit	2 STK
Minimum order quantity	2 STK
GTIN	4 055626 112701
GTIN	4055626112701

Technical data

Dimensions

Height	50.3 mm
Width	34.2 mm
Length	29.4 mm

Electrical characteristics

Note	For HEAVYCON HC-B6 to B48 housing, snap-in module frame required, axial connection for 4 mm Allen key
Rated voltage (III/3)	1000 V
Rated current	100 A
Rated surge voltage	8 kV
Connection profile	2

Ambient conditions

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

Mechanical characteristics

Conductor cross section	10 mm² ... 35 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	4 ... 2

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Mechanical characteristics

Stripping length of the individual wire	13 mm
Tightening torque	6 Nm (10 mm² ... 16 mm²)
	7 Nm (25 mm²)
	8 Nm (35 mm²)
Wire diameter including insulation	11.4 mm
Hexagonal socket	SW 4
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 HC housing h >= 72 mm. Connection of the wires using a 4 mm. Allen wrench. Axial screw connection only for stranded wires. Plug-in connections may only be operated only when there is no load/ voltage.
Connection	Note for axial connection method The specified conductor cross sections refer to the geometric cross section of the used conductor. The use of conductors with a geometric cross section that deviates greatly from the nominal cross section of the conductor should be checked first. The wiring space of the axial screw technology has been designed for fine strand conductors as per VDE 0295 class 5. Deviating conductor superstructures (e.g. class 6 conductors) must be checked before use. Connection It must be ensured before installation that the ball screw is completely turned back (chamber is open). Twisting the conductors is not allowed. The cores must be pushed up to the end of the contact chamber (until the contact is insulated). Keep the core in this position and tighten it using an Allen key. The required core end must be cut before a reconnection. Tightening the connection screw is allowed only once in order to prevent a breakage of the litz wire.

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

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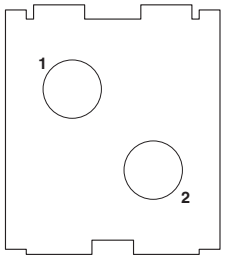
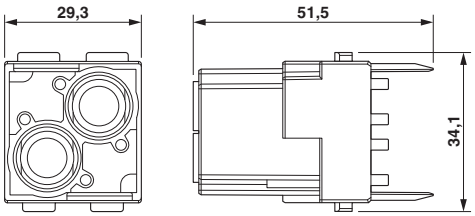
Schematic diagram



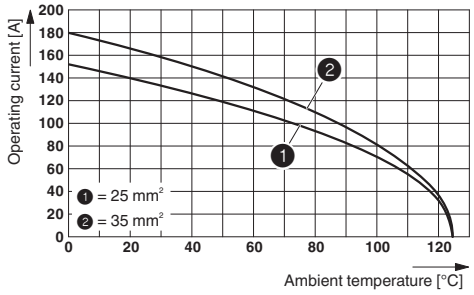
Socket module

Dimensional drawing



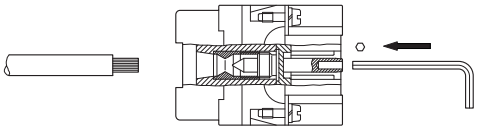
Connector pin assignment

Diagram



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

Schematic diagram



Axial connection

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	2

Contact insert module - HC-M-02-AT-F-35 - 1417390

Approvals

Nominal current IN	100 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	127 A
Nominal voltage UN	600 V

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