

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	1 STK
Minimum order quantity	2 STK
GTIN	 4 055626 112701
GTIN	4055626112701
Weight per Piece (excluding packing)	70.000 g
Custom tariff number	85366990
Country of origin	Poland

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

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Technical data

Ambient conditions

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

Conductor cross section	10 mm ² ... 35 mm ² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	4 ... 2
Stripping length of the individual wire	13 mm
Tightening torque	6 Nm (10 mm ² ... 16 mm ²)
	7 Nm (25 mm ²)
	8 Nm (35 mm ²)
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

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Technical data

Material data

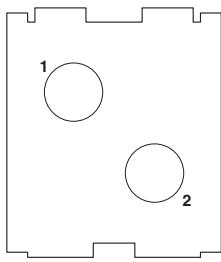
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0
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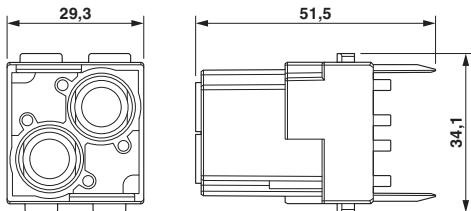
Drawings

Schematic diagram



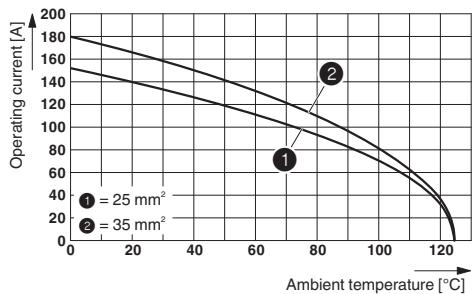
Socket module

Dimensional drawing



Connector pin assignment

Diagram



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

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

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Classifications

ETIM

ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
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Approvals

Approvals

Approvals

EAC / CSA / UL Recognized

Ex Approvals

Approval details

EAC		7500651.22.01.00246
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CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
mm ² /AWG/kcmil		2	
Nominal current IN		100 A	
Nominal voltage UN		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	E118976
mm ² /AWG/kcmil		2	
Nominal current IN		127 A	
Nominal voltage UN		600 V	

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Accessories

Accessories

Module carrier frame

Module carrier frame - HC-M-B06-MF-B - 1417398



Module carrier frame, Size: B6, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B10-MF-B - 1417399



Module carrier frame, Size: B10, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B16-MF-B - 1417400



Module carrier frame, Size: B16, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B24-MF-B - 1417402



Module carrier frame, Size: B24, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B06-MF-H - 1417403



Module carrier frame, Size: B6, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B10-MF-H - 1417404



Module carrier frame, Size: B10, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B16-MF-H - 1417405



Module carrier frame, Size: B16, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B24-MF-H - 1417406



Module carrier frame, Size: B24, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Mounting material

Cable lug - HC-M-MHR-PE16 - 1636981



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm², for crimping with crimp pliers

Torque tool

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Accessories

Torque screwdriver - TSD-M 6NM - 1212226



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 3 - 6 Nm

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