


Contact insert module - HC-M-02-MOD-BU - 1679359

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HEAVYCON contact insert module, female, 2-pos., axial screw connection



Key commercial data

Packing unit	2 pc
GTIN	 4 017918 162535
Weight per Piece (excluding packing)	24.1 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Electrical characteristics

Note	For housing HC-B6 to B48, for housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR... necessary
Rated voltage (III/3)	1000 V
Rated current	40 A
Rated surge voltage	8 kV
Number of positions	2

Ambient conditions

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

Conductor cross section	2.5 mm ² ... 8 mm ²
Connection cross section AWG	12 ... 10
Stripping length of the individual wire	8 mm +1 (for 6 mm ²)
	5 mm +1 (For 2.5 mm ² ... 4 mm ²)
	11 mm +1 (for 8 mm ²)
Tightening torque	1.5 Nm (2.5 - 4 mm ²)
	2 Nm (6 - 8 mm ²)

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Mechanical characteristics

Wire diameter including insulation	6 mm (6 mm ²)
	10.5 mm (8 mm ²)
	4 mm (2.5 mm ² ... 4 mm ²)
Hexagonal socket	WAF 2
Insertion/withdrawal cycles	≥ 500

General

Series	HC-M-02
Number of module slots	1
Connection method	Axial screw connection
Connection in acc. with standard	IEC / EN
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III
Assembly instructions	<ul style="list-style-type: none"> - Connection of the wires using a 2 mm Allen wrench. - Housing height ≥ 52 mm. - Axial screw connection only for flexible wires. - Plug-in connections may only be operated only when there is no load/voltage.
Connection	<p>Note regarding axial connection technology: Only for stranded wires. The conductor cross sections stated refer to the geometric cross section of the cable used. Use of cables with a geometric cross section very different from that of 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.</p> <p>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 cores should be slid to the limit stop in the contact chamber (until insulation touches contact). Hold cores in position and use socket wrench to tighten. The used core end should be cut off before connecting again. The connection screw may only be retightened once to prevent the strands from breaking. To prevent damage to the contact, the core / 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.</p>

Material data

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

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816

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Classifications

eCl@ss

eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal current IN	40 A
Nominal voltage UN	600 V

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Approvals

cUL Recognized	
Nominal current I _N	40 A
Nominal voltage U _N	600 V

GOST	
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cULus Recognized	
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Accessories

Accessories

Mounting material

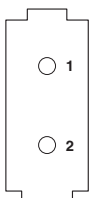
Cable lug - HC-M-MHR-PE16 - 1636981



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

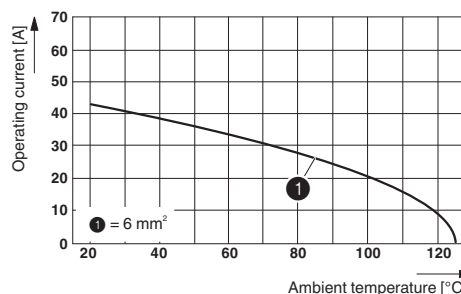
Drawings

Schematic diagram



Connector pin assignment

Diagram



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

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