Contact insert module - HC-M-02-MOD-ST - 1679346

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

RoHS

Key Commercial Data

Packing unit	2 pc
Minimum order quantity	2 pc
GTIN	4 017918 162528
GTIN	4017918162528

Technical data

Dimensions

Height	41.8 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

Rated voltage (III/3)	1000 V
Rated current	40 A
Rated surge voltage	8 kV
Connection profile	2

Ambient conditions

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

Mechanical characteristics

Conductor cross section	2.5 mm² ... 8 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	12 ... 10
Stripping length of the individual wire	8 mm +1 (for 6 mm²)
	5 mm +1 (For 2.5 mm² ... 4 mm²)

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Mechanical characteristics

	11 mm +1 (for 8 mm²)
Tightening torque	1.5 Nm (2.5 mm² ... 4 mm²)
	2 Nm (6 -8 mm²)
Wire diameter including insulation	6 mm (6 mm²)
	10.5 mm (8 mm²)
	4 mm (2.5 mm² ... 4 mm²)
Hexagonal socket	WAF 2
Insertion/withdrawal cycles	≥ 500

General

Note	For HEAVYCON housing type B6 to B48, HC-M-MHR... hinged retaining frame required
Series	HC-M-02
Number of module slots	1
Connection method	Axial screw connection
Connection in acc. with standard	IEC / EN
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	- 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	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. 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.

Material data

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

Standards and Regulations

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Technical data

Standards and Regulations

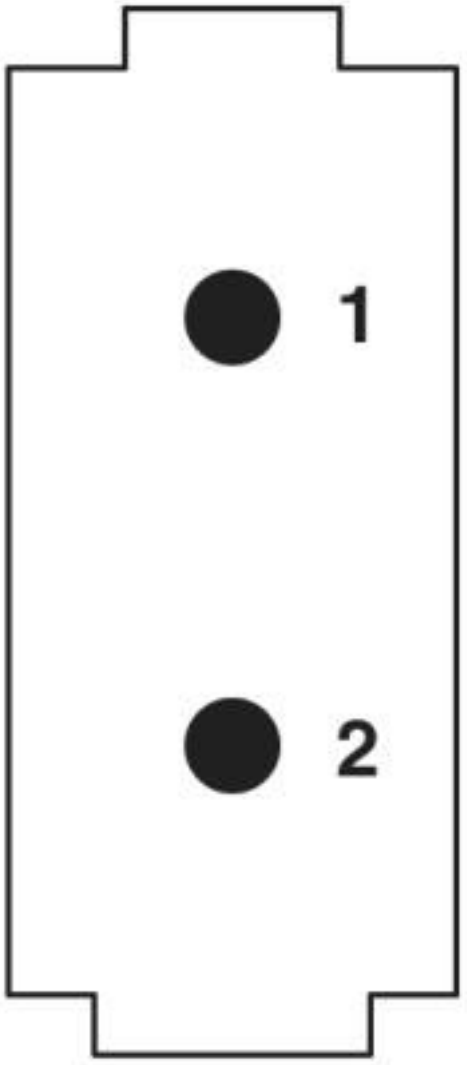
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Schematic diagram



Connector pin assignment

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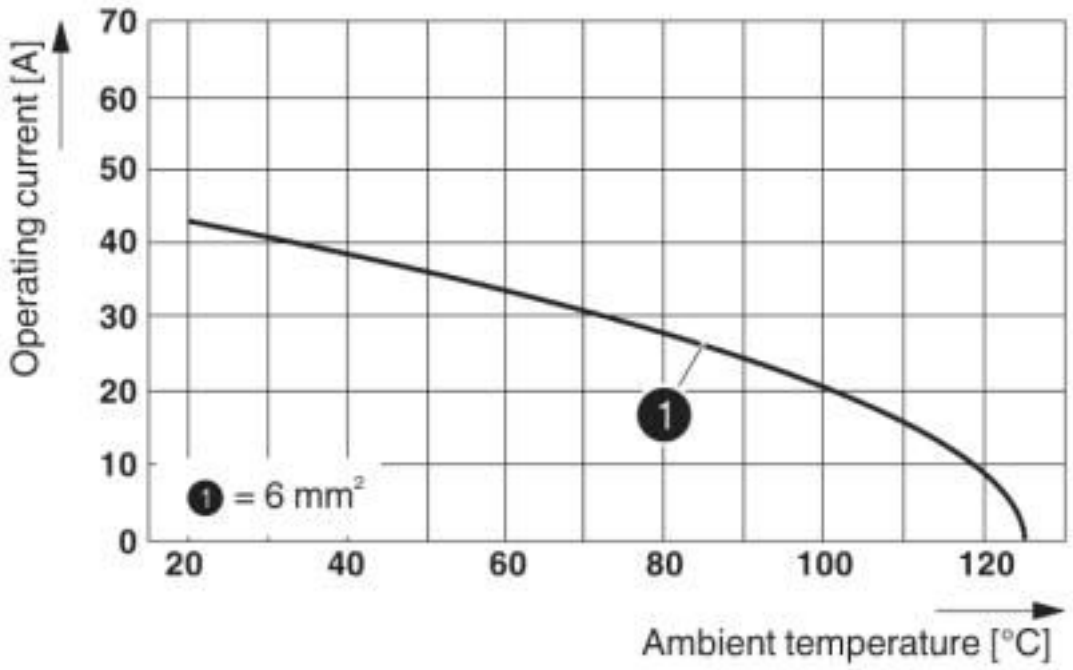
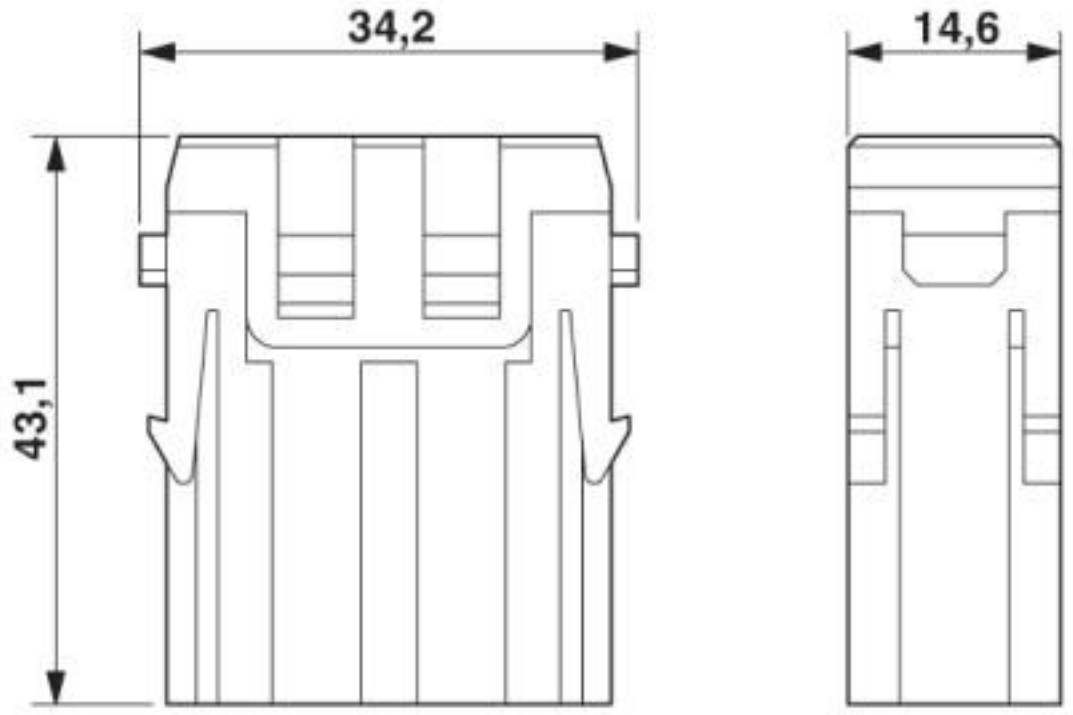
Diagram



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

Dimensional drawing



Male insert

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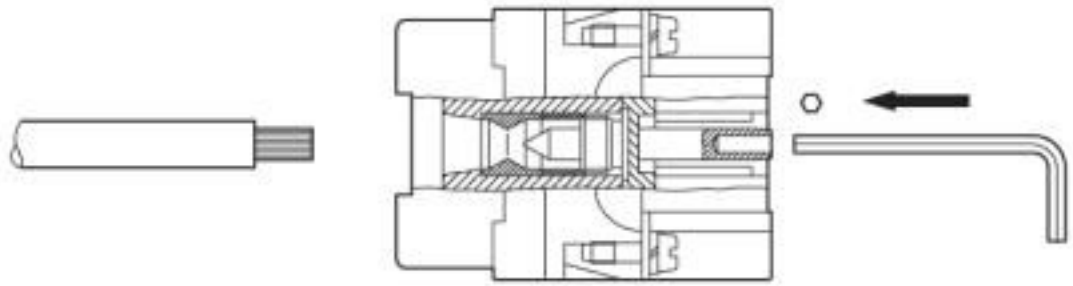
Schematic diagram



Axial connection (2 mm Allen key)

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 19.0	39121522

Accessories

Accessories

Mounting material

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Accessories

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

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

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