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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Contact insert module - HC-M-02-HS-70/16-MOD-ST - 1585702

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HEAVYCON contact insert module, pin, 2-pos. to 70 A, 16 mm<sup>2</sup> axial screw connection

### Product Features

- Plug module is shock proof



### Key commercial data

Packing unit	1 PCE
GTIN	 4 046356 308205
Custom tariff number	85389099
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, axial screw connection for 2.5 mm Allen wrench:
Rated voltage (III/3)	1000 V
Rated current	70 A
Rated surge voltage	8 kV
Ambient temperature (operation)	-40 °C ... 125 °C
Number of positions	2

#### Mechanical characteristics

Conductor cross section	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection cross section AWG	8 ... 6
Stripping length of the individual wire	11 mm +1

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### Technical data

#### Mechanical characteristics

Tightening torque	2 Nm (6 mm <sup>2</sup> )
Tightening torque	3 Nm (10 mm <sup>2</sup> )
Tightening torque	4 Nm (16 mm <sup>2</sup> )
Wire diameter including insulation	8.9 mm
Hexagonal socket	SW2,5
Insertion/withdrawal cycles	≥ 500

#### General characteristics

Series	HC-M-HS
Number of module slots	1
Connection method	Axial screw connection
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III
Assembly instructions	Use 2.5 mm Allen wrenches for axial connection. Only for stranded wires. For housing heights $h \geq 52$ mm. 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

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## Classifications

### ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 11	43172601
UNSPSC 12.01	39121408
UNSPSC 13.2	39121408
UNSPSC 6.01	43172601
UNSPSC 7.0901	39121416

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209

## Approvals

### Approvals

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#### Approvals

UL Recognized / GOST

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

# Contact insert module - HC-M-02-HS-70/16-MOD-ST - 1585702

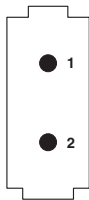
## Approvals

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	4
Nominal current I <sub>N</sub>	70 A
Nominal voltage U <sub>N</sub>	600 V

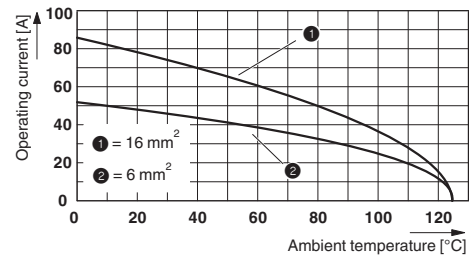
GOST	
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## Drawings

Schematic diagram



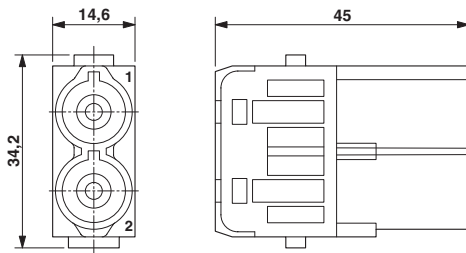
Diagram



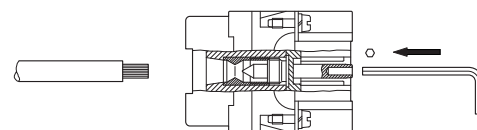
Connector pin assignment, connection side

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

Dimensioned drawing



Schematic diagram



Axial screw connection

Pin module