

## Contact insert module - HC-M-HS-MOD-ST - 1605000

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HEAVYCON contact insert module, male, 2-pos. to 100 A, screw connection



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 893293
GTIN	4017918893293
Weight per Piece (excluding packing)	69.670 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Height	49 mm
Width	34.2 mm
Length	29.4 mm

#### Electrical characteristics

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
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## Technical data

### Mechanical characteristics

Conductor cross section	16 mm <sup>2</sup> ... 35 mm <sup>2</sup> (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 (16 mm <sup>2</sup> )
	7 Nm (25 mm <sup>2</sup> )
	8 Nm (35 mm <sup>2</sup> )
Wire diameter including insulation	11.4 mm
Hexagonal socket	SW 4
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

### General

Note	For HEAVYCON HC-B6 to B48 housing (housing height: min. 72 mm), HC-M-MHR... hinged retaining frame required, axial connection for 4 mm Allen key
Series	HC-M-HS
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	<ul style="list-style-type: none"> <li>- Use HC housing h ≥ 72 mm</li> <li>- Connection of wires using a 4 mm Allen wrench</li> <li>- Axial screw connection only for stranded wires</li> <li>- Plug-in connections may only be operated only when there is no load/voltage</li> </ul>
Connection	<p>Note for axial connection method</p> <p>The specified conductor cross sections refer to the geometric cross section of the used conductor.</p> <p>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.</p> <p>Connection</p> <p>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.</p>

### Material data

Contact material	Copper alloy
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### Technical data

#### Material data

Contact surface material	Ag
Contact carrier material	PC

#### Standards and Regulations

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

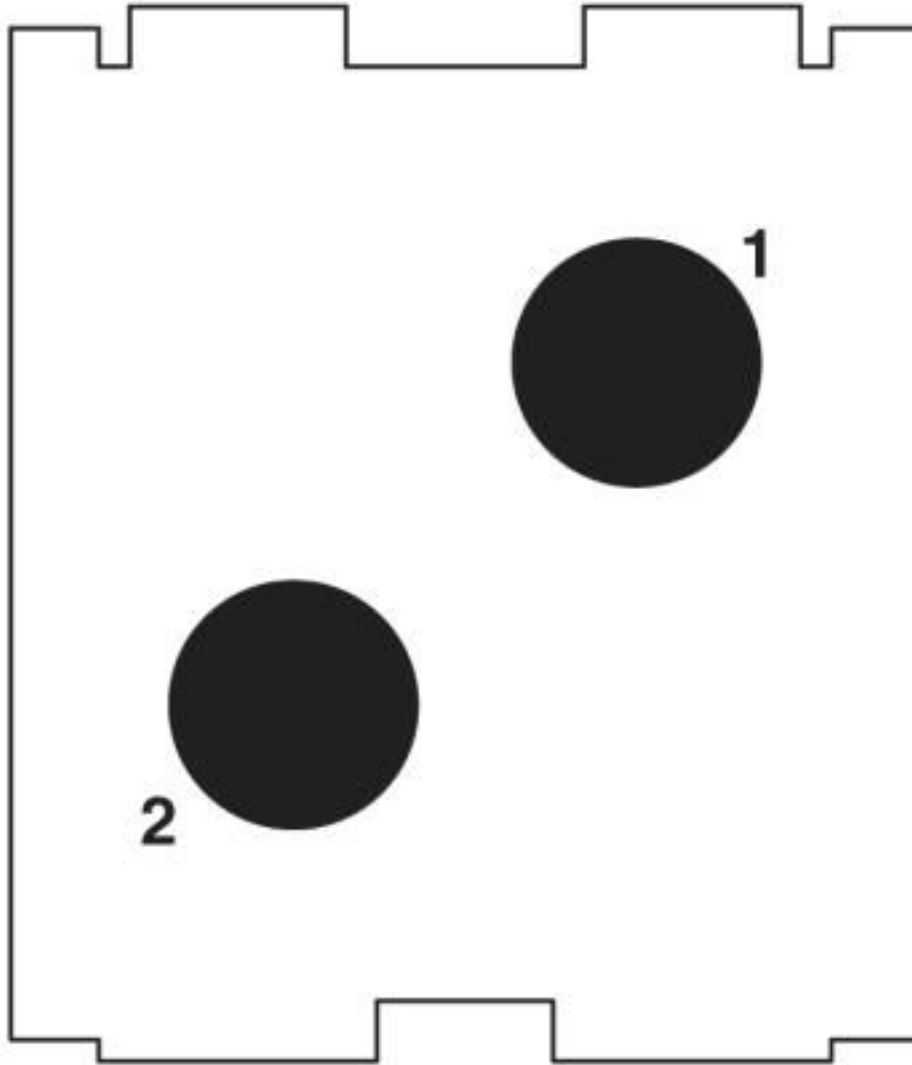
#### Environmental Product Compliance

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

### Drawings

## Contact insert module - HC-M-HS-MOD-ST - 1605000

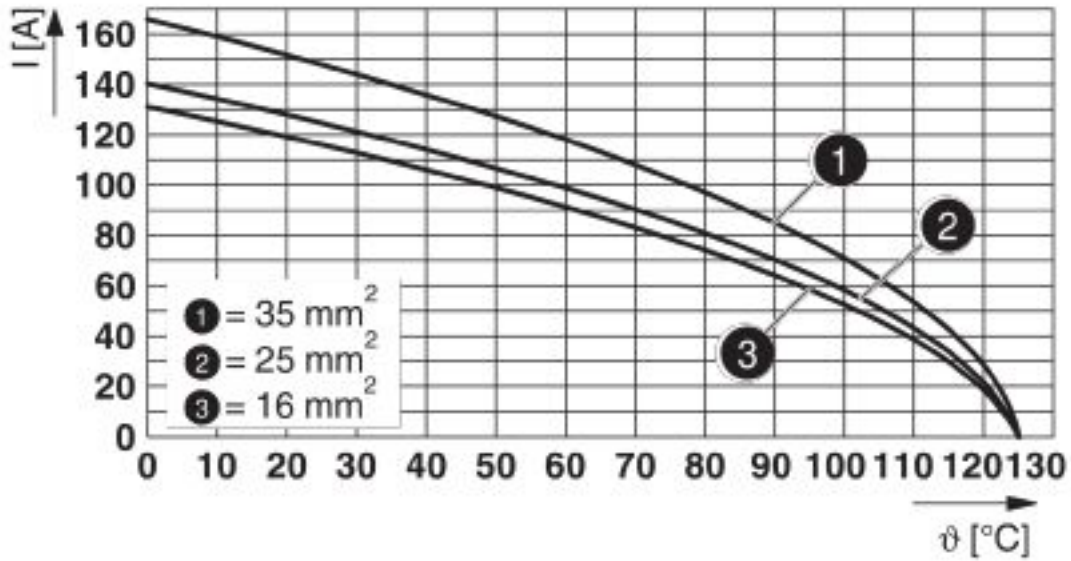
Schematic diagram



Connector pin assignment

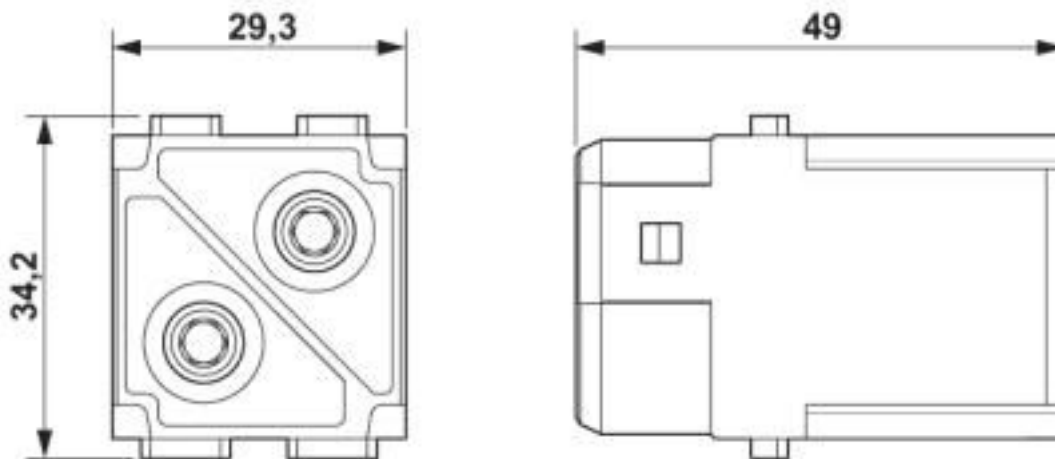
# Contact insert module - HC-M-HS-MOD-ST - 1605000

Diagram



Derating diagram

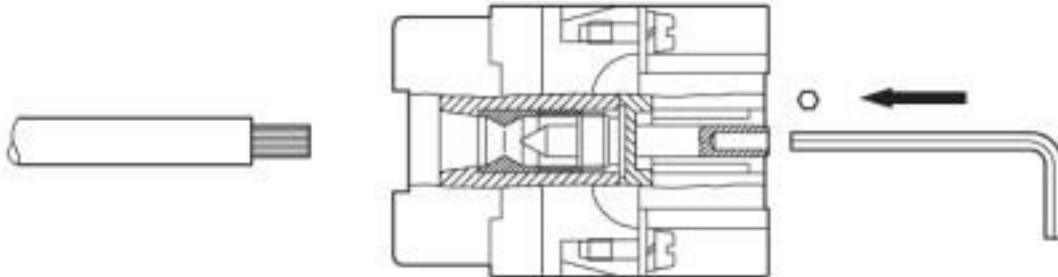
Dimensional drawing



Male insert

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Schematic diagram



Axial connection

## 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

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### Accessories

#### Mounting material

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



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm<sup>2</sup>, for crimping with crimp pliers

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