

# HC-M-06-MOD-ST - Contact insert module



1663459

<https://www.phoenixcontact.com/us/products/1663459>

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HEAVYCON contact insert module, male, 6-pos., crimp connection

## Commercial data

Item number	1663459
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	AF7ACB
GTIN	4017918123260
Weight per piece (including packing)	10.85 g
Weight per piece (excluding packing)	10.3 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	For HEAVYCON housing type B6 to B48, HC-M-MHR... hinged retaining frame required, CK2,5-ED... crimp contacts (crimp contacts not supplied as standard)
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### Mounting

Assembly note	Housing height $\geq$ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
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### Product properties

Product type	Modular contact insert
Series	HC-M-06
Application	Power
Number of positions	6
Connection profile	6
Contact numbering	1 - 6
Number of module slots	1
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

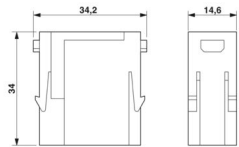
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross-section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

### Dimensions

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	14.6 mm

### Mechanical characteristics

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Minimum housing height	52 mm
Contact diameter	2.5 mm

## Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

## Environmental and real-life conditions

### Ambient conditions

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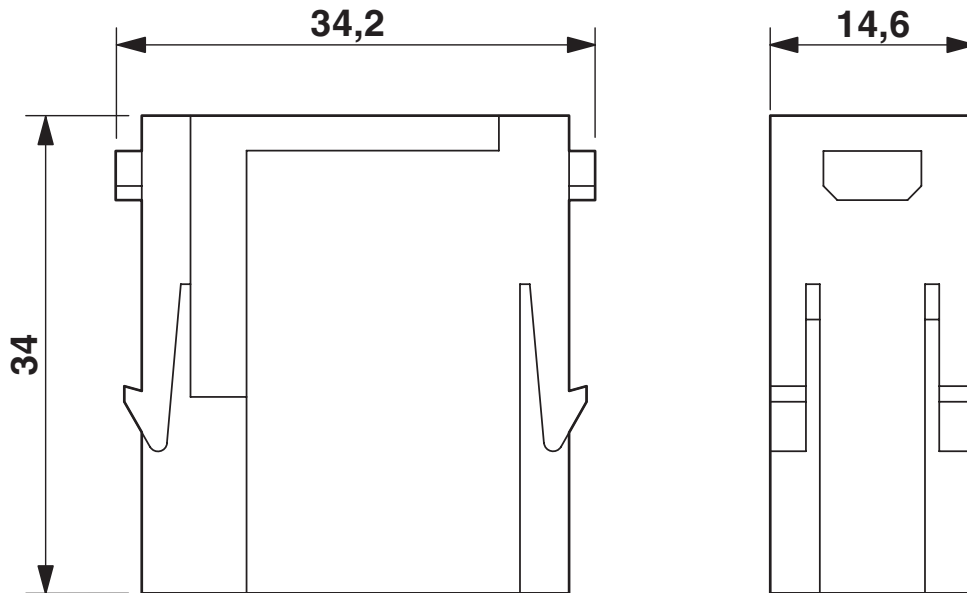


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## Drawings

Dimensional drawing



Male insert

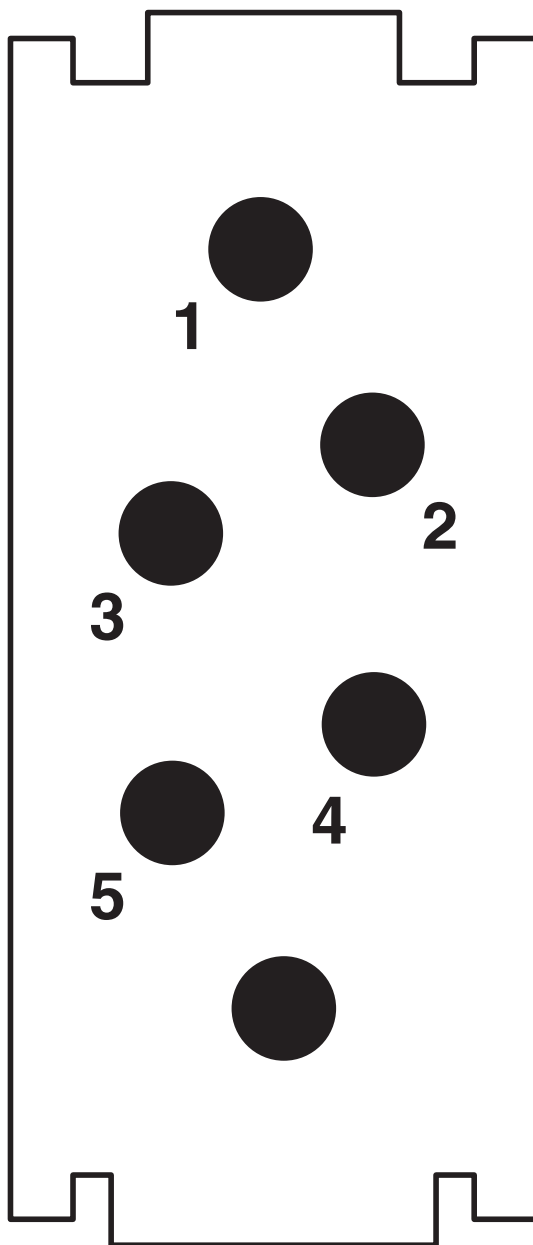
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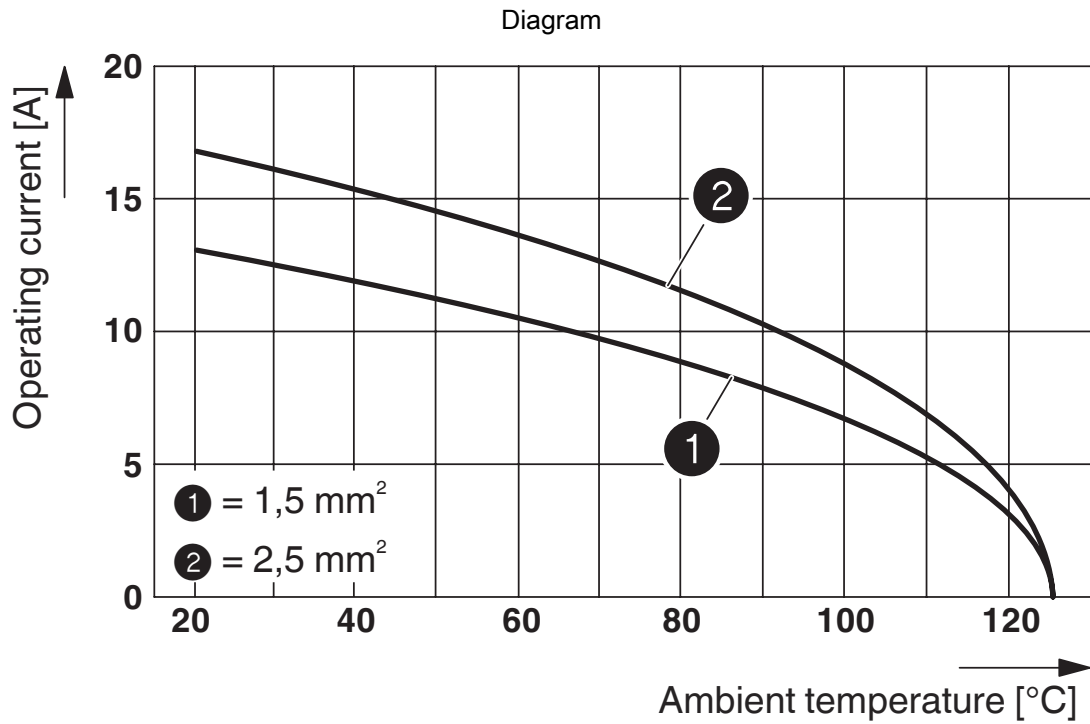
Schematic diagram



Connector pin assignment, connection side

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

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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