

# HC-M-12-MOD-BU - Contact insert module



1663323

<https://www.phoenixcontact.com/us/products/1663323>

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HEAVYCON contact insert module, female, 12-pos., crimp connection

## Commercial data

Item number	1663323
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	AF7ACB
GTIN	4017918123130
Weight per piece (including packing)	11.4 g
Weight per piece (excluding packing)	10.1 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### 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-12
Application	Signal
Number of positions	12
Connection profile	12
Contact numbering	1 - 12
Number of module slots	1
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

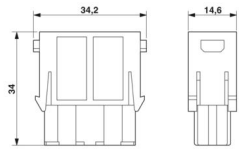
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross-section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm with 2.5 mm <sup>2</sup> )

### Dimensions

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	14.6 mm

### Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	1.6 mm

### Electrical properties

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Rated voltage (III/3)	250 V
Rated surge voltage	3 kV
Rated current	10 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 (including heating up of contacts)
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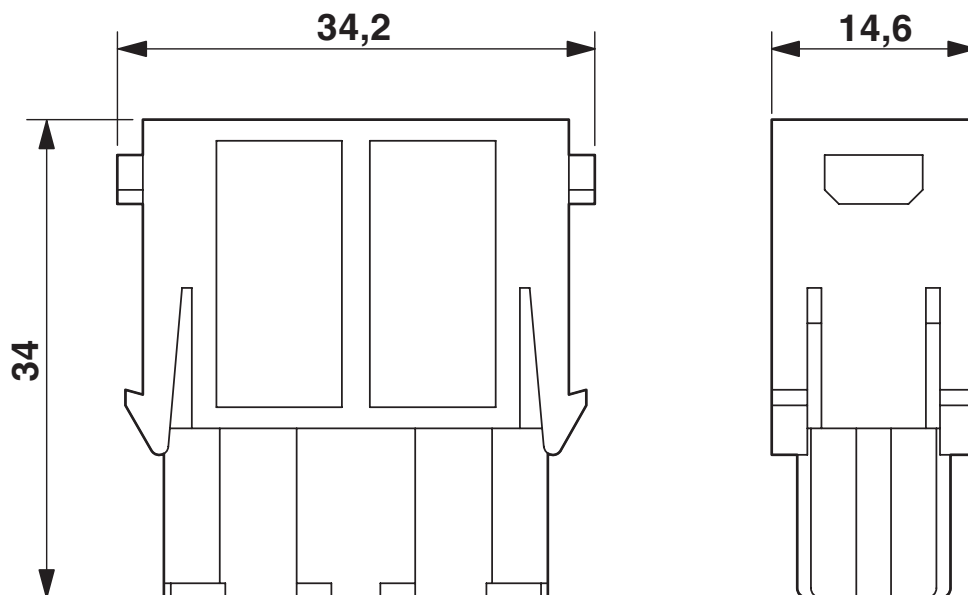


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## Drawings

Dimensional drawing



Female insert

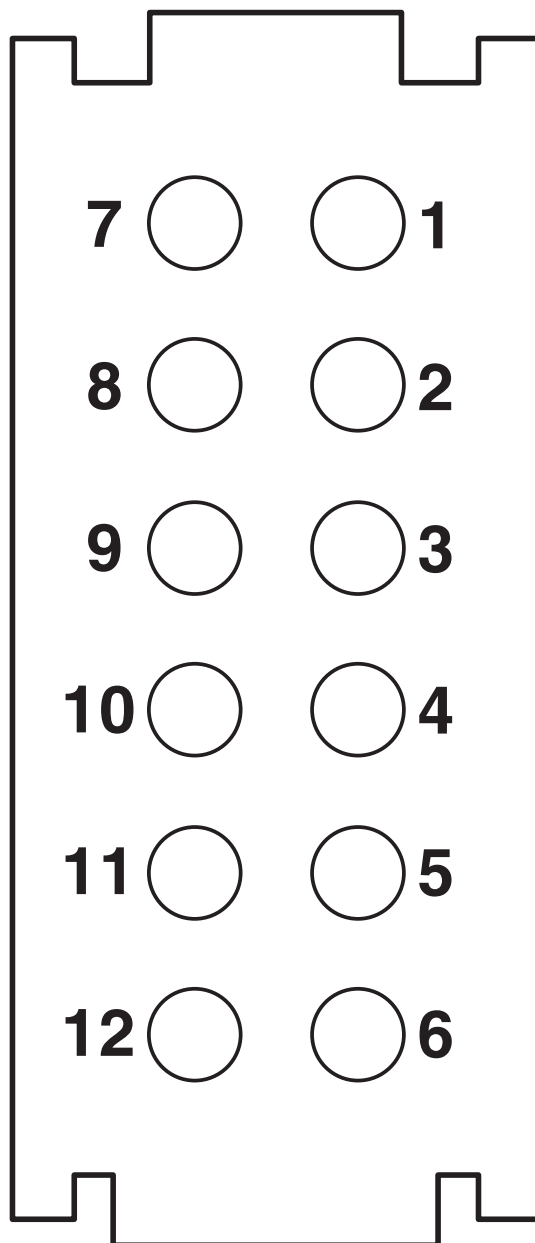
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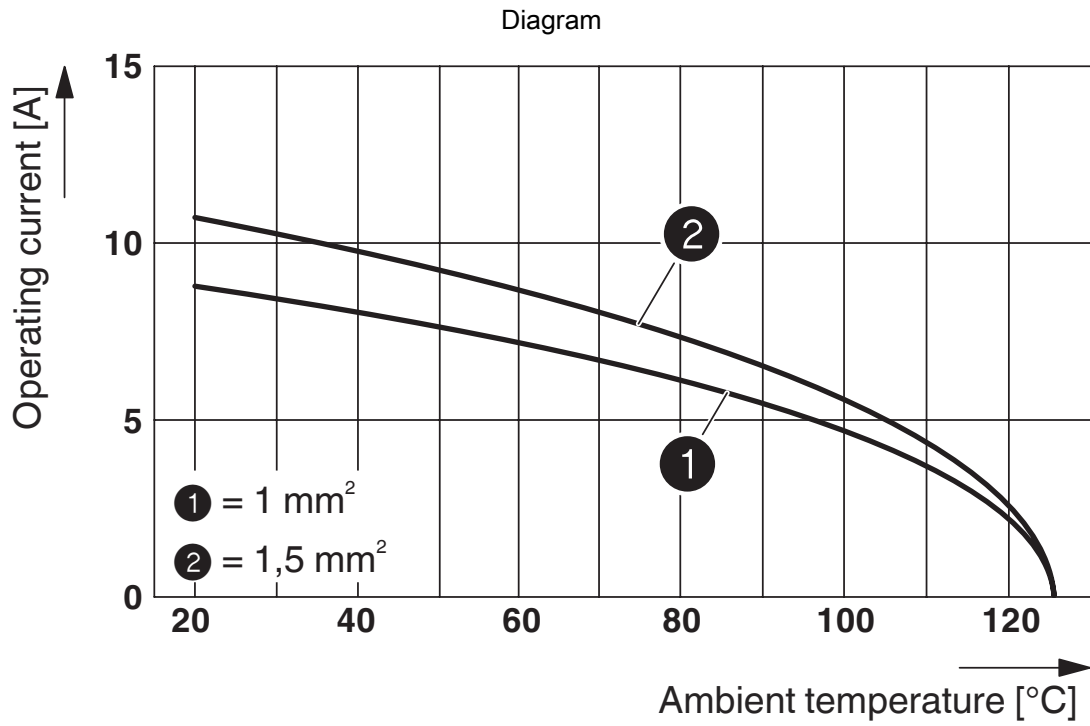
Schematic diagram



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

### 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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