

# HC-M-04-CT-M - Contact insert module



1414362

<https://www.phoenixcontact.com/us/products/1414362>

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Contact insert module, number of positions: 4, power contacts: 4, control contacts: 0, Pin, Crimp connection, 690 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power

## Commercial data

Item number	1414362
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626025056
Weight per piece (including packing)	11.94 g
Weight per piece (excluding packing)	11.7 g
Customs tariff number	85389099
Country of origin	PL

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## Technical data

### Notes

General	For HEAVYCON HC-B6 to B48 housing, HC-M-B...-MF-... module carrier frame required, crimp connection, crimp contacts not supplied as standard.
General	Connectors may be operated only when there is no load/voltage.

### Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
	The module cannot be used simultaneously with the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.

### Product properties

Product type	Modular contact insert
Series	HC-M-04
Application	Power
Number of positions	4
Connection profile	4
Contact numbering	1 - 4
Number of module slots	1
No. of power contacts	4
No. of control contacts	0
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

#### Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

#### Conductor connection

Conductor cross-section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Connection cross section AWG	16 ... 10
Stripping length of the individual wire	9 mm (9.6 mm (4-6 mm <sup>2</sup> ))
	14 mm (4 ... 6 mm <sup>2</sup> )

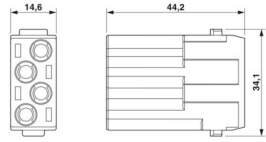
### Dimensions

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Dimensional drawing	
Width	34.2 mm
Height	44.6 mm
Length	14.6 mm

## Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	4 mm

## Electrical properties

Rated voltage (III/2) contacts	1000 V
Rated voltage (III/3)	690 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated surge voltage	6 kV
Rated current	40 A
SCCR	5 kA (UL 2237)

## 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
Contact carrier material	PC
Standards/regulations	PC

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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## Standards and regulations

### Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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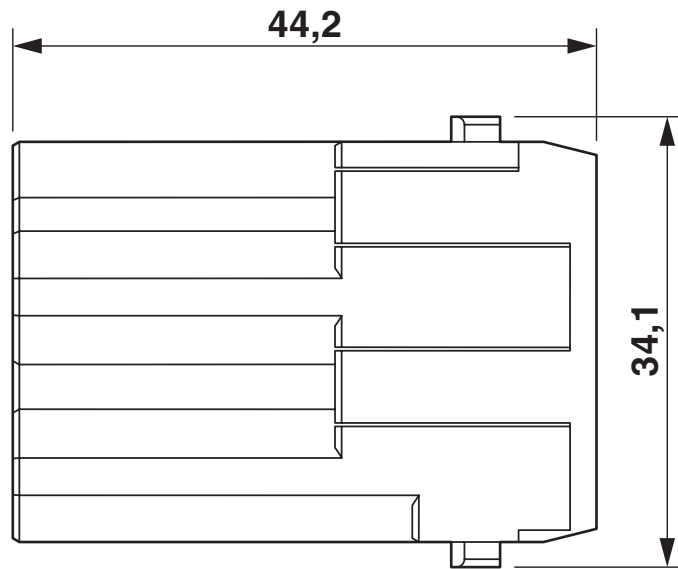
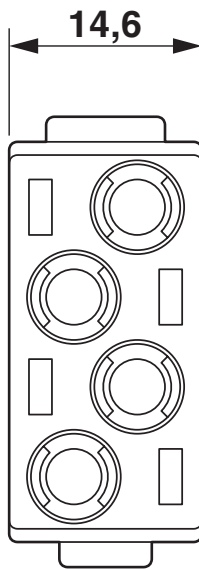


1414362

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## Drawings

Dimensional drawing



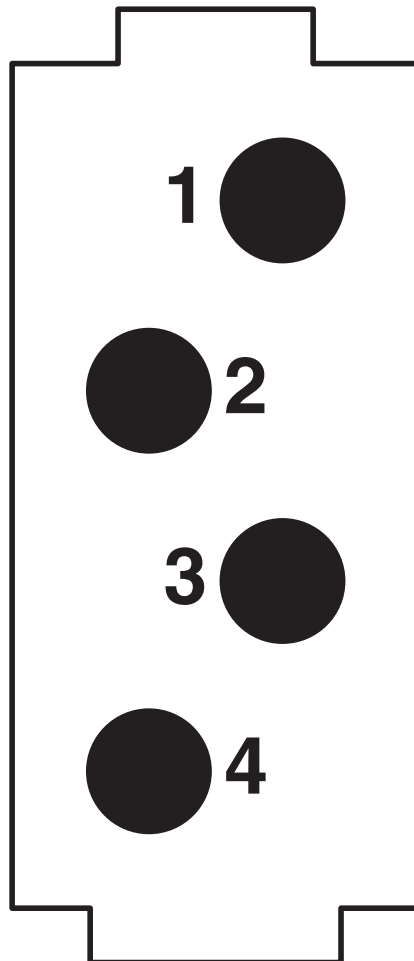
Male insert

# HC-M-04-CT-M - Contact insert module

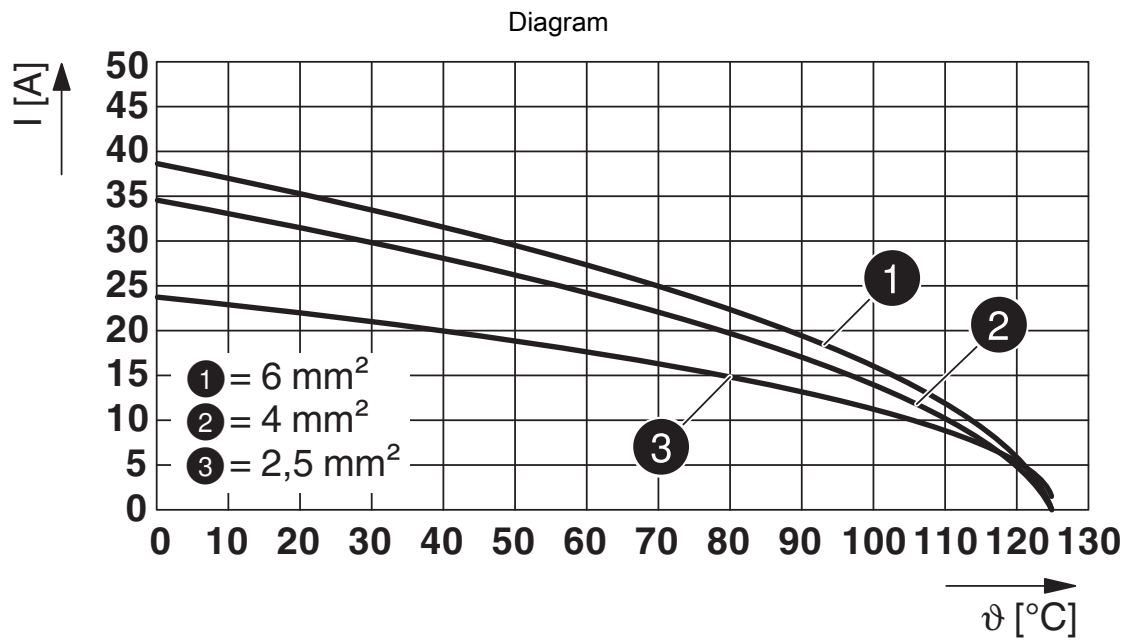
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Schematic diagram



Connector pin assignment, connection side



Derating diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414362>

### DNV

Approval ID: TAE000037S



### CSA

Approval ID: 158887

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	830 V	30 A	- 10	-



### UL Recognized

Approval ID: E118976

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	37 A	- 10	-



### UL Recognized

Approval ID: E468743

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	37 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

### ETIM

ETIM 10.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121400
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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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### EF3.1 Climate Change

CO2e kg	0.069 kg CO2e
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