

# HC-M-08-CT-M - Contact insert module



1414370

<https://www.phoenixcontact.com/gb/products/1414370>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

---



Contact insert module, number of positions: 8, power contacts: 8, control contacts: 0, Pin, Crimp connection, 320 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>, application: Power

# HC-M-08-CT-M - Contact insert module



1414370

<https://www.phoenixcontact.com/gb/products/1414370>

## Technical data

### Notes

General	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK2,5-ED... imp contacts, 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
---------------	---

### Product properties

Product type	Modular contact insert
Series	HC-M-08
Application	Power
Number of positions	8
Connection profile	8
Contact numbering	1 - 8
Number of module slots	1
No. of power contacts	8
No. of control contacts	0
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

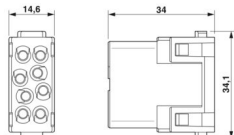
#### Connection technology

Connection technology	Crimp connection
-----------------------	------------------

#### 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	34.5 mm

# HC-M-08-CT-M - Contact insert module



1414370

<https://www.phoenixcontact.com/gb/products/1414370>

Length	14.6 mm
--------	---------

## Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	2.5 mm

## Electrical properties

Rated voltage (III/2) contacts	500 V
Rated voltage (III/3)	320 V
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	4 kV
Rated surge voltage	4 kV
Rated current	16 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

## Environmental and real-life conditions

### Ambient conditions

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

## 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)
-----------------------	---

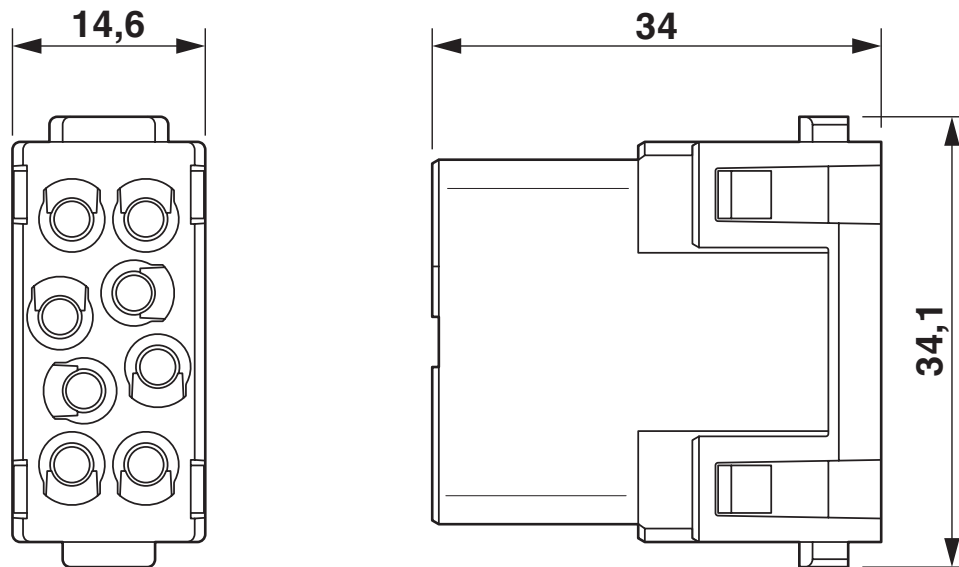
# HC-M-08-CT-M - Contact insert module

1414370

<https://www.phoenixcontact.com/gb/products/1414370>

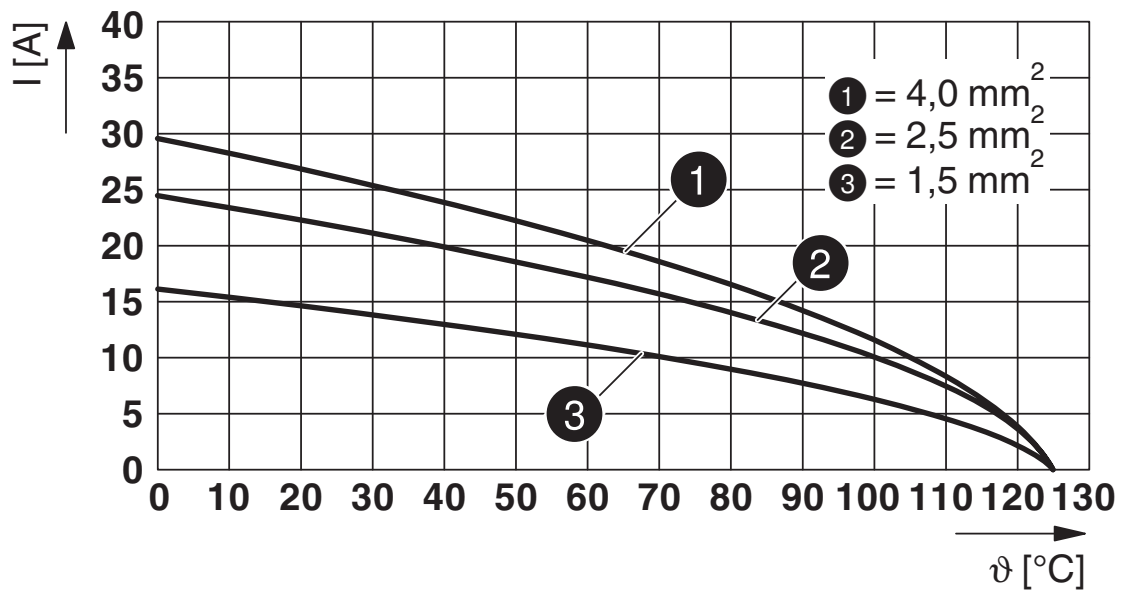
## Drawings

Dimensional drawing



Male insert

Diagram



Derating diagram

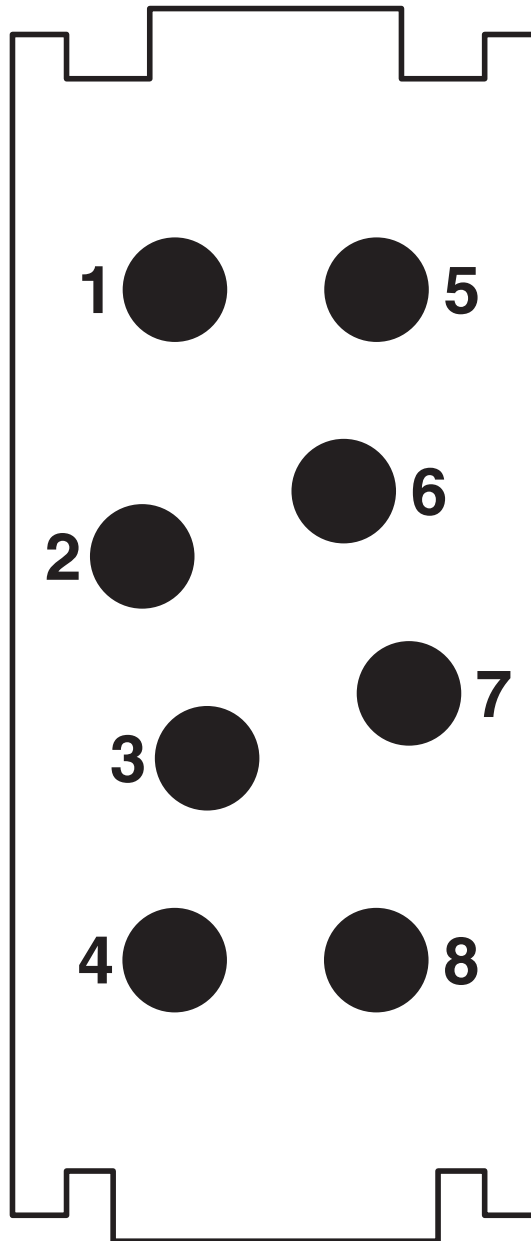
# HC-M-08-CT-M - Contact insert module

1414370

<https://www.phoenixcontact.com/gb/products/1414370>



Schematic diagram



Connector pin assignment, connection side

# HC-M-08-CT-M - Contact insert module





1414370


<https://www.phoenixcontact.com/gb/products/1414370>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1414370>

 <b>UL Recognized</b> Approval ID: E468743				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	20 A	-	-

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	16 A	- 12	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	20 A	-	-

<b>DNV</b> Approval ID: TAE000037S				
---------------------------------------	--	--	--	--

# HC-M-08-CT-M - Contact insert module



1414370

<https://www.phoenixcontact.com/gb/products/1414370>

## Classifications

### ECLASS

ECLASS-11.0	27440217
ECLASS-12.0	27440217
ECLASS-13.0	27440217

### ETIM

ETIM 9.0	EC000438
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# HC-M-08-CT-M - Contact insert module



1414370

<https://www.phoenixcontact.com/gb/products/1414370>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

### EF3.0 Climate Change

CO2e kg	0.047 kg CO2e
---------	---------------

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)