

# HC-M-06-CT-F - Contact insert module



1414367

<https://www.phoenixcontact.com/us/products/1414367>

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: 6, power contacts: 6, control contacts: 0, Socket, Crimp connection, 500 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>, application: Power

## Commercial data

Item number	1414367
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626025209
Weight per piece (including packing)	9.3 g
Weight per piece (excluding packing)	9.18 g
Customs tariff number	85389099
Country of origin	PL

# HC-M-06-CT-F - Contact insert module



1414367

<https://www.phoenixcontact.com/us/products/1414367>

## Technical data

### 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-06
Application	Power
Number of positions	6
Connection profile	6
Contact numbering	1 - 6
Number of module slots	1
No. of power contacts	6
No. of control contacts	0
Contact material type	turned

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

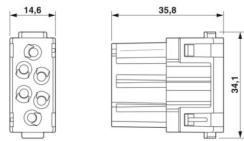
#### Connection technology

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	35.8 mm
Length	14.6 mm

### Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	2.5 mm

1414367

<https://www.phoenixcontact.com/us/products/1414367>

## Electrical properties

Rated voltage (III/2) contacts	830 V
Rated voltage (III/3)	500 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated surge voltage	6 kV
Rated current	16 A
SCCR	5 kA (UL 2237)

## 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

## 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-06-CT-F - Contact insert module

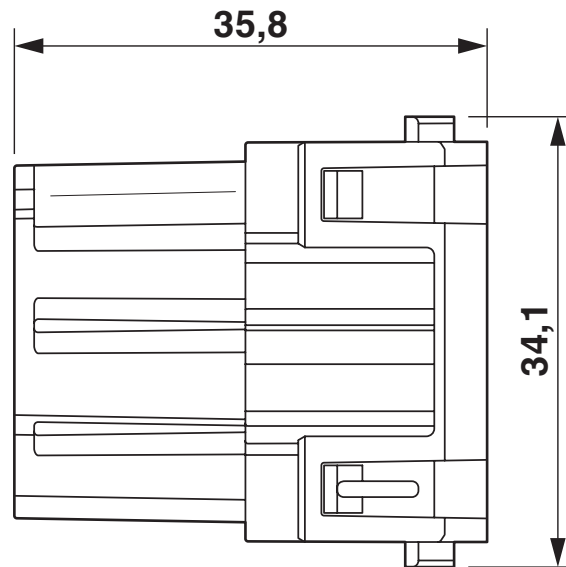
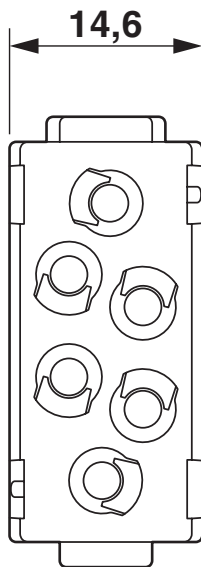


1414367

<https://www.phoenixcontact.com/us/products/1414367>

## Drawings

Dimensional drawing



Dimensional drawing

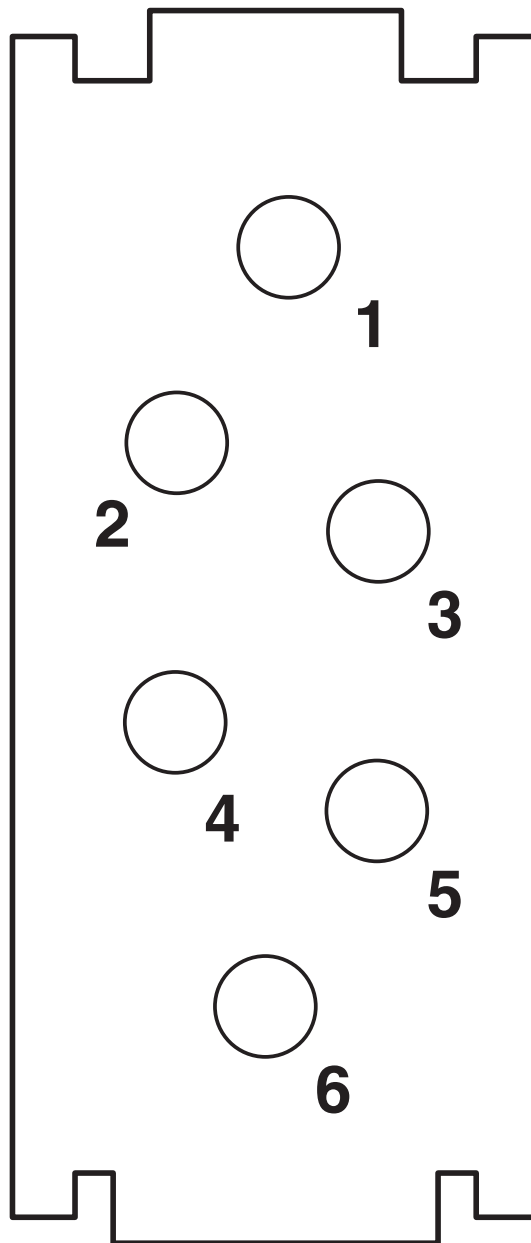
# HC-M-06-CT-F - Contact insert module

1414367

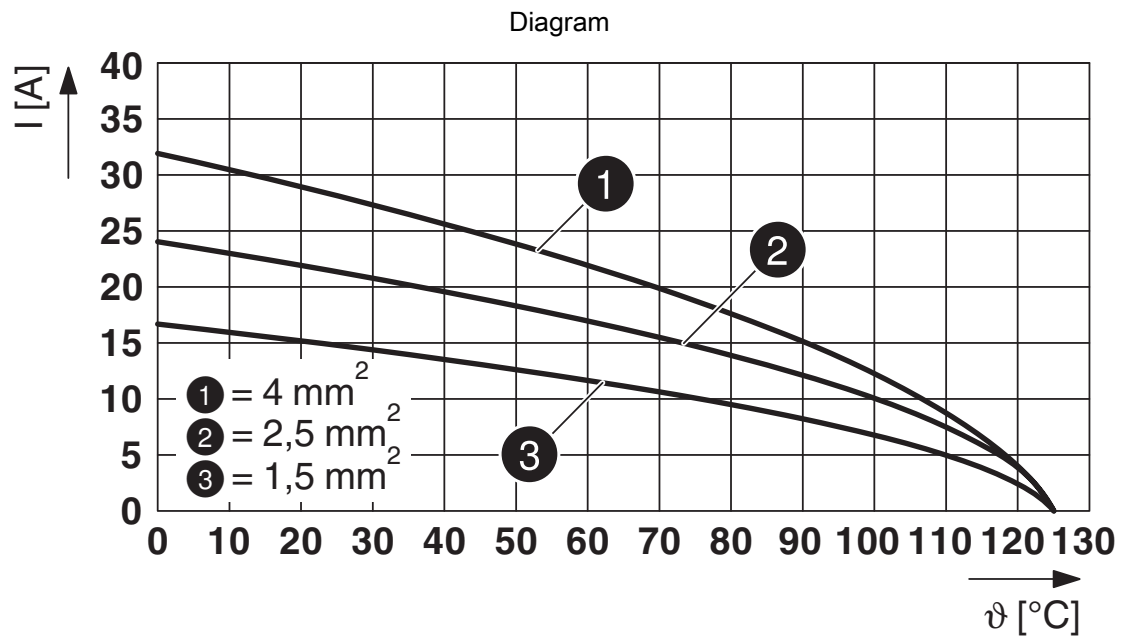
<https://www.phoenixcontact.com/us/products/1414367>



Schematic diagram



Connector pin assignment, connection side



Derating diagram

# HC-M-06-CT-F - Contact insert module




1414367


<https://www.phoenixcontact.com/us/products/1414367>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414367>

 <b>UL Recognized</b> Approval ID: E468743				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	24 A	-	-

 <b>CSA</b> Approval ID: 158887				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	18 A	- 12	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	600 V	24 A	-	-

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

# HC-M-06-CT-F - Contact insert module



1414367

<https://www.phoenixcontact.com/us/products/1414367>

## Classifications

### ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

### ETIM

ETIM 10.0	EC000438
-----------	----------

### UNSPSC

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

# HC-M-06-CT-F - Contact insert module



1414367

<https://www.phoenixcontact.com/us/products/1414367>

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

### EF3.1 Climate Change

CO2e kg	0.057 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)