

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



1414363

<https://www.phoenixcontact.com/us/products/1414363>

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: 4, power contacts: 4, control contacts: 0, Socket, Crimp connection, 690 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power

## Commercial data

Item number	1414363
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 575 (C-2-2019)
GTIN	4055626025063
Weight per piece (including packing)	9.62 g
Weight per piece (excluding packing)	9.62 g
Customs tariff number	85389099
Country of origin	PL

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



1414363

<https://www.phoenixcontact.com/us/products/1414363>

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

### 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> )

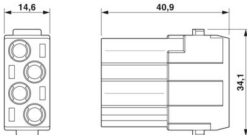
### Dimensions

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



1414363

<https://www.phoenixcontact.com/us/products/1414363>

Dimensional drawing	
Width	34.2 mm
Height	40.9 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

## 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
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-04-CT-F - Contact insert module



1414363

<https://www.phoenixcontact.com/us/products/1414363>

## 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-04-CT-F - Contact insert module



1414363

<https://www.phoenixcontact.com/us/products/1414363>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

Phoenix Contact 2024 © - 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)