

# HC-M-05-PT-F - Contact insert module



1417373

<https://www.phoenixcontact.com/gb/products/1417373>

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: 5, power contacts: 5, control contacts: 0, Socket, Push-in connection, 400 V, 16 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, application: Power

---

## Your advantages

- Easy installation without tools, even when mounted, with push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Shock and vibration-resistant in accordance with DIN EN 61373

# HC-M-05-PT-F - Contact insert module



1417373

<https://www.phoenixcontact.com/gb/products/1417373>

## Technical data

### Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.
General	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... module carrier frame required

### 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-05
Application	Power
Number of positions	5
Connection profile	5
Contact numbering	1 - 5
Number of module slots	1
No. of power contacts	5
No. of control contacts	0
Contact material type	rolled

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

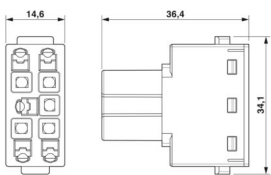
#### Connection technology

Connection technology	Push-in connection
-----------------------	--------------------

#### 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 ± 1 mm

### Dimensions

Dimensional drawing	
Width	34.2 mm

# HC-M-05-PT-F - Contact insert module



1417373

<https://www.phoenixcontact.com/gb/products/1417373>

Height	34 mm
Length	14.6 mm

## Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	2.5 mm

## Electrical properties

Rated voltage (III/3)	400 V
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
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-05-PT-F - Contact insert module

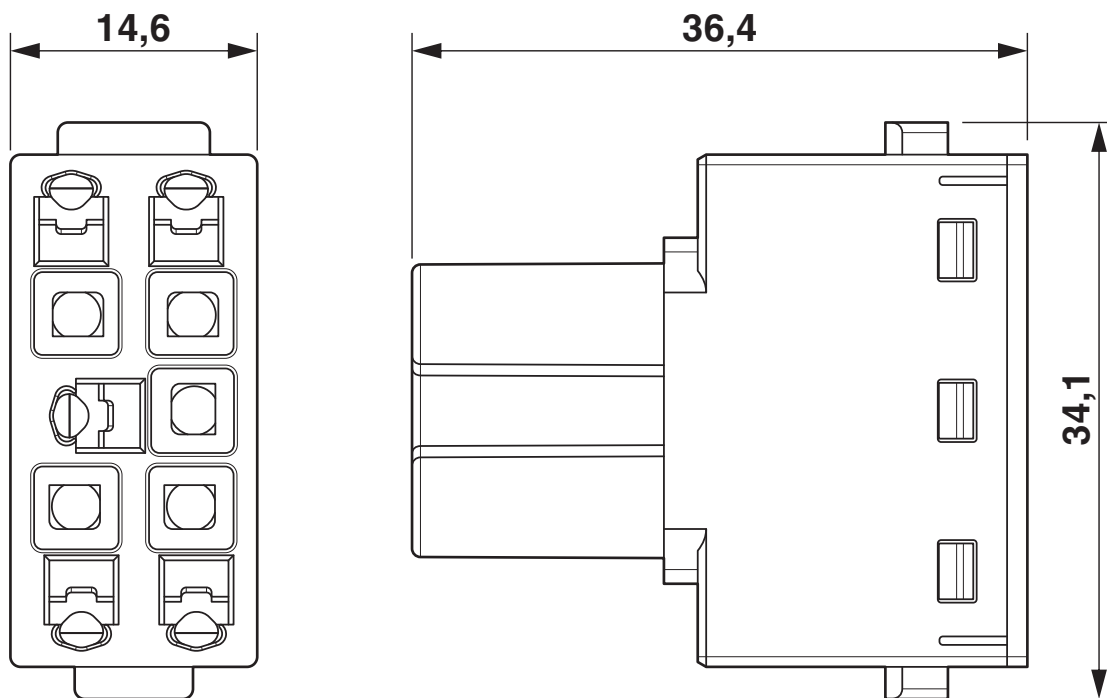


1417373

<https://www.phoenixcontact.com/gb/products/1417373>

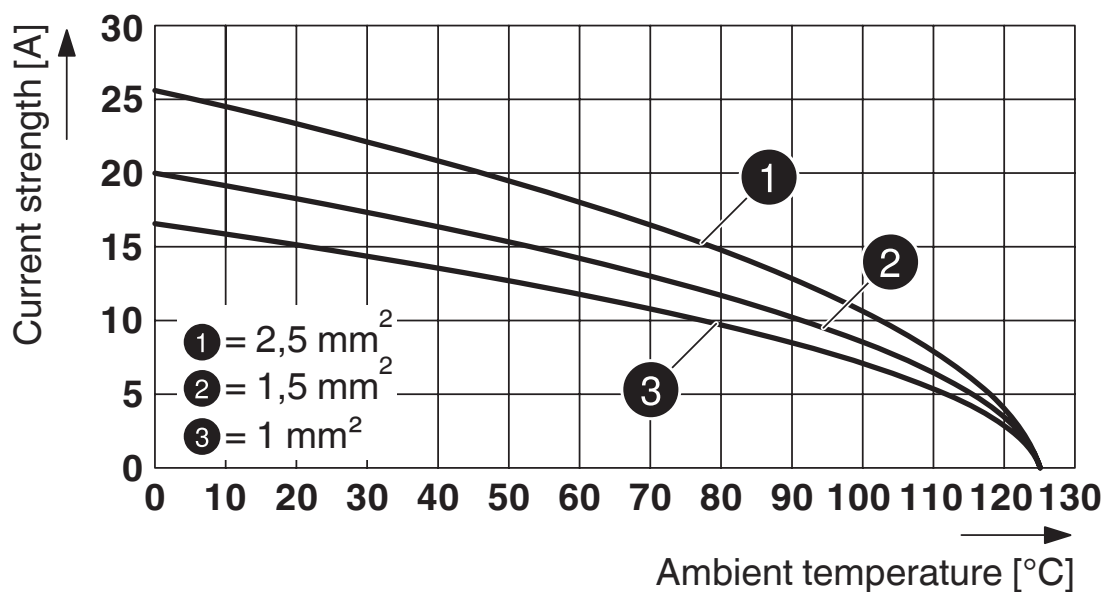
## Drawings

Dimensional drawing



Dimensional drawing

Diagram



Derating diagram (6 modules in HC-B 24 housing)

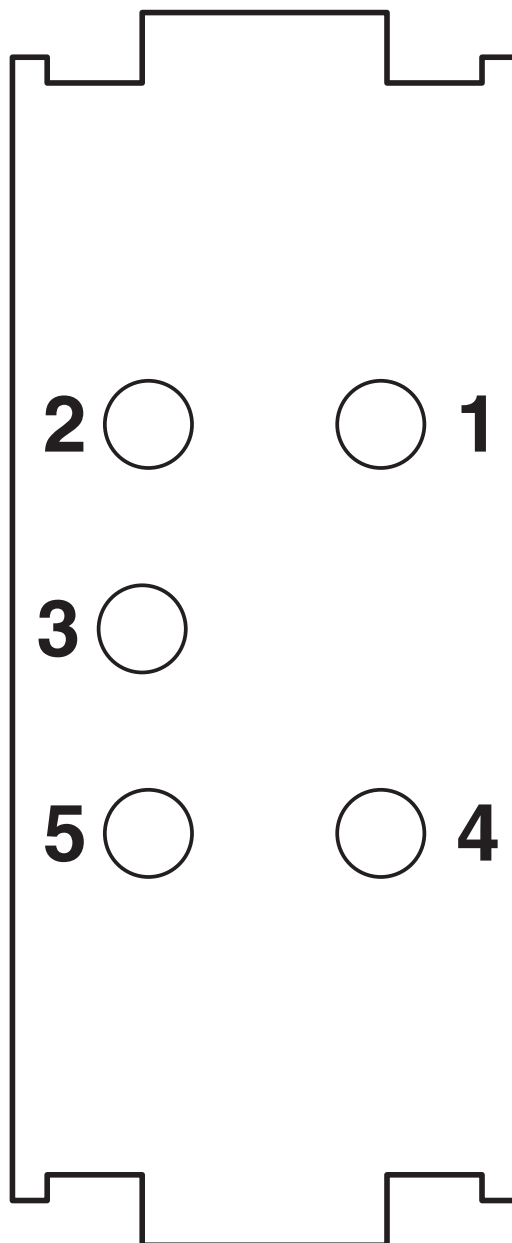
# HC-M-05-PT-F - Contact insert module

1417373

<https://www.phoenixcontact.com/gb/products/1417373>



Schematic diagram



Connector pin assignment, connection side

# HC-M-05-PT-F - Contact insert module





1417373


<https://www.phoenixcontact.com/gb/products/1417373>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1417373>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	15 A	- 14	-

 <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	19 A	- 14	-

 <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	19 A	-	-

# HC-M-05-PT-F - Contact insert module



1417373

<https://www.phoenixcontact.com/gb/products/1417373>

## 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-05-PT-F - Contact insert module



1417373

<https://www.phoenixcontact.com/gb/products/1417373>

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

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)