

# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

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: 3, Socket, Pin, application: Pneumatics, for internal hose diameter of 1.6 / 3 / 4 mm

## Commercial Data

Item number	1417433
Packing unit	5 pc
Minimum order quantity	5 pc
Product Key	BF7ACE
Catalog Page	Page 593 (C-2-2019)
GTIN	4055626112947
Weight per Piece (including packing)	5.92 g
Weight per Piece (excluding packing)	5.62 g
Customs tariff number	85389099
Country of origin	PL

# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Technical Data

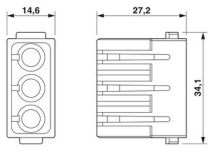
### Notes

General	For HEAVYCON ADVANCE housing type B6 to B24 and HEAVYCON housing type B6 to B48. HEAVYCON HC-M-B...-MF... module carrier frame required, HC-M-PN... pneumatic pins and sockets are not supplied as standard.
General	Connectors may be operated only when there is no load/voltage.
General	The use of guide pins (HC-CST) and sockets (HC-CBU) is recommended to prevent tip collision due to misalignment.

### Product properties

Product type	Pneumatic insert, modular
Number of positions	3
Connection profile	3
Application	Pneumatics
Number of module slots	1
Integrated valve	No
Series	HC-M-03-PN

### Dimensions

Dimensional drawing	
Width	34.1 mm
Height	27.2 mm
Length	14.6 mm

### Mechanical characteristics

Internal diameter of pressure hose connection	1.6 mm
	3 mm
	4 mm
Contact diameter	5.2 mm

### Material specifications

Color	light grey
Flammability rating according to UL 94	V0
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)

### Connector

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

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °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)
-----------------------	---

## Mounting

Assembly instructions	<p>To ensure correct use, installation in housing with IP54 protection or better is required</p> <ul style="list-style-type: none"><li>- Snap the pneumatic contact and module together. Insert the contact into the module from the front</li><li>- Place the modules assembled with the contacts in the module carrier frame.</li><li>- The pneumatic tubes are pushed onto the pneumatic contact from the back of the module.</li></ul> <p>The medium-sized module slots and sleeves/coupling housing with straight cable outlet direction are recommended.</p>
-----------------------	--

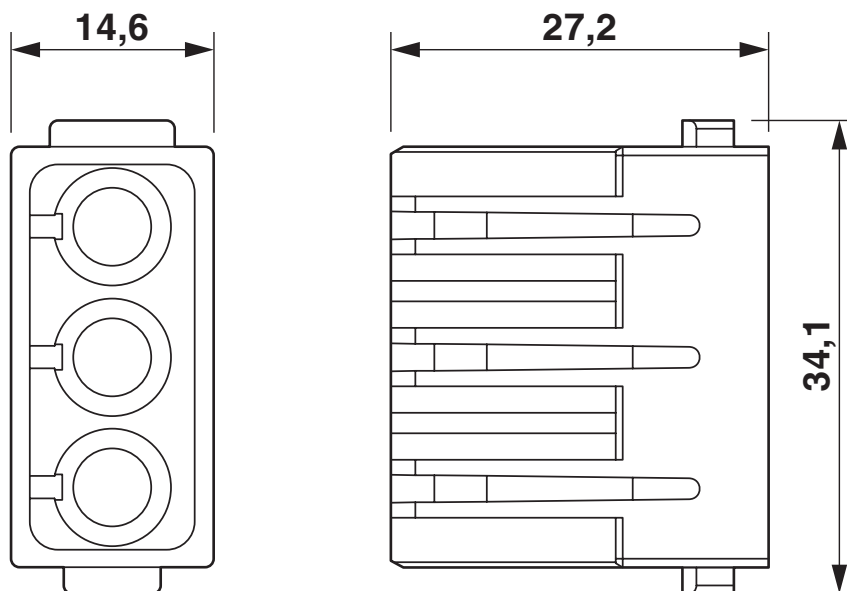
# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Drawings

Dimensional drawing



# Contact insert module - HC-M-03-PN-M-F




1417433


<https://www.phoenixcontact.com/pc/products/1417433>

## Approvals

 **CSA**  
Approval ID: 13631

 **UL Recognized**  
Approval ID: E118976

 **EAC**  
Approval ID: RU C-DE.AI30.B.01102

 **EAC**  
Approval ID: RU C-DE.BL08.B.00511

# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Classifications

### ECLASS

ECLASS-9.0	27440220
ECLASS-10.0.1	27440220
ECLASS-11.0	27440220

### ETIM

ETIM 8.0	EC000438
----------	----------

### UNSPSC

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

# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Environmental Product Compliance

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

# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Accessories

### Coding element

Coding element - HC-CBU-MOD - 1636130

<https://www.phoenixcontact.com/pc/products/1636130>

Coding socket for coding up to 16 connectors, for HC Modular



### Coding element

Coding element - HC-CST-MOD - 1636127

<https://www.phoenixcontact.com/pc/products/1636127>

Coding peg for coding up to 16 connectors, for HC Modular





# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Pneumatic contact

Pneumatic contact - HC-M-PN3-1,60-ST - 1663488

<https://www.phoenixcontact.com/pc/products/1663488>



Pneumatic pin, for HC-M-PN3 module, internal hose diameter of 1.6 mm

---

## Pneumatic contact

Pneumatic contact - HC-M-PN3-3,00-ST - 1663491

<https://www.phoenixcontact.com/pc/products/1663491>



Pneumatic pin, for HC-M-PN3 module, internal hose diameter of 3.0 mm

# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Pneumatic contact

Pneumatic contact - HC-M-PN3-4,00-ST - 1663501

<https://www.phoenixcontact.com/pc/products/1663501>



Pneumatic pin, for HC-M-PN3 module, internal hose diameter of 4.0 mm

---

## Pneumatic contact

Pneumatic contact - HC-M-PN3-1,60-BU - 1663514

<https://www.phoenixcontact.com/pc/products/1663514>



Pneumatic socket, for HC-M-PN3 module, internal hose diameter of 1.6 mm

# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Pneumatic contact

Pneumatic contact - HC-M-PN3-3,00-BU - 1663527

<https://www.phoenixcontact.com/pc/products/1663527>



Pneumatic socket, for HC-M-PN3 module, internal hose diameter of 3.0 mm

---

## Pneumatic contact

Pneumatic contact - HC-M-PN3-4,00-BU - 1663530

<https://www.phoenixcontact.com/pc/products/1663530>



Pneumatic socket, for HC-M-PN3 module, internal hose diameter of 4.0 mm

---

# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Pneumatic contact

Pneumatic contact - HC-M-PN3-1,60-BU-V - 1663543

<https://www.phoenixcontact.com/pc/products/1663543>



Pneumatic socket with valve, for HC-M-PN3 module, internal hose diameter of 1.6 mm

---

## Pneumatic contact

Pneumatic contact - HC-M-PN3-3,00-BU-V - 1663556

<https://www.phoenixcontact.com/pc/products/1663556>



Pneumatic socket with valve, for HC-M-PN3 module, internal hose diameter of 3.0 mm

# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Pneumatic contact

Pneumatic contact - HC-M-PN3-4,00-BU-V - 1663569

<https://www.phoenixcontact.com/pc/products/1663569>



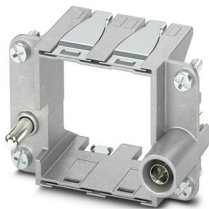
Pneumatic socket with valve, for HC-M-PN3 module, internal hose diameter of 4.0 mm

---

## Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085

<https://www.phoenixcontact.com/pc/products/1182085>



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

# Contact insert module - HC-M-03-PN-M-F

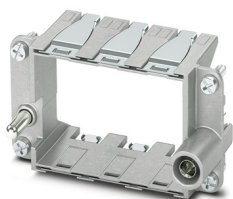
1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Module carrier frame

Module carrier frame - HC-M-B10-MFH-B - 1182088

<https://www.phoenixcontact.com/pc/products/1182088>



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

---

## Module carrier frame

Module carrier frame - HC-M-B16-MFH-B - 1182090

<https://www.phoenixcontact.com/pc/products/1182090>



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Module carrier frame

Module carrier frame - HC-M-B24-MFH-B - 1182094

<https://www.phoenixcontact.com/pc/products/1182094>

Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame



---

## Module carrier frame

Module carrier frame - HC-M-B06-MFH-H - 1182087

<https://www.phoenixcontact.com/pc/products/1182087>

Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame



# Contact insert module - HC-M-03-PN-M-F

1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Module carrier frame

Module carrier frame - HC-M-B10-MFH-H - 1182089

<https://www.phoenixcontact.com/pc/products/1182089>

Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ...  
6 mm<sup>2</sup>, application: Module carrier frame



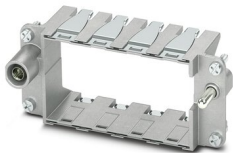
---

## Module carrier frame

Module carrier frame - HC-M-B16-MFH-H - 1182093

<https://www.phoenixcontact.com/pc/products/1182093>

Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ...  
6 mm<sup>2</sup>, application: Module carrier frame





# Contact insert module - HC-M-03-PN-M-F



1417433

<https://www.phoenixcontact.com/pc/products/1417433>

## Module carrier frame

Module carrier frame - HC-M-B24-MFH-H - 1182095

<https://www.phoenixcontact.com/pc/products/1182095>

Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ...  
6 mm<sup>2</sup>, application: Module carrier frame



---

Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

[info@phoenixcontact.com](mailto:info@phoenixcontact.com)