

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



1417433

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

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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
Sales key	BF7
Product key	BF7ACE
Catalog page	Page 593 (C-2-2019)
GTIN	4055626112947
Weight per piece (including packing)	5.9 g
Weight per piece (excluding packing)	5.62 g
Customs tariff number	85389099
Country of origin	PL

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## 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.

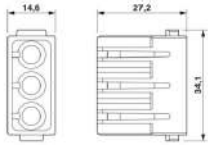
### Product properties

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

### Data management status

Article revision	01
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### 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

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)

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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Environmental and real-life conditions

### Ambient conditions

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

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
	<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> The medium-sized module slots and sleeves/coupling housing with straight cable outlet direction are recommended.

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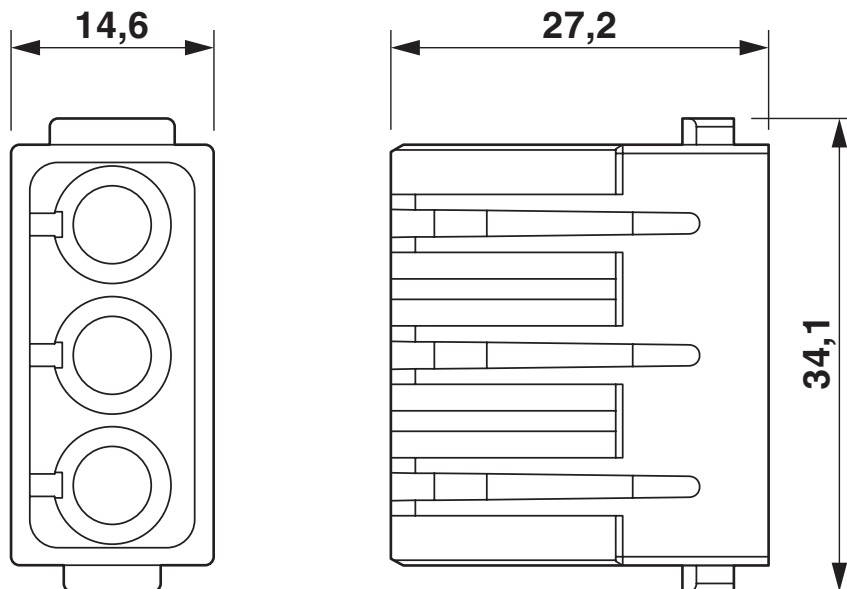


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## Drawings

Dimensional drawing



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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1417433>



**CSA**

Approval ID: 13631



**UL Recognized**

Approval ID: E118976



**EAC**

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

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## Classifications

### ECLASS

ECLASS-11.0	27440220
ECLASS-12.0	27440220
ECLASS-13.0	27440220

### ETIM

ETIM 9.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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## Accessories

### HC-CBU-MOD - Coding element

1636130

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



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

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### HC-CST-MOD - Coding element

1636127

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



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



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

1663488

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



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

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

1663491

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



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

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

1663501

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



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

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

1663514

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



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

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

1663527

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



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

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

1663530

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



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

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

1663543

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



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

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

1663556

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



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

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

1663569

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



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

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

1182085

<https://www.phoenixcontact.com/in/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

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

1182088

<https://www.phoenixcontact.com/in/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

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

1182090

<https://www.phoenixcontact.com/in/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

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

1182094

<https://www.phoenixcontact.com/in/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



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

1182087

<https://www.phoenixcontact.com/in/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



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

1182089

<https://www.phoenixcontact.com/in/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

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

1182093

<https://www.phoenixcontact.com/in/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



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

1182095

<https://www.phoenixcontact.com/in/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



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