

HC-M-02-EMC-F - Contact insert module



1417376
<https://www.phoenixcontact.com/us/products/1417376>

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Contact insert module, number of positions: 2, Socket, Crimp connection, 48 V, 10 A, 0.14 mm² .. 2.5 mm², application: Data/signal, for using two EMC connectors (female connector), number of positions: 1, 4, 8

Commercial data

Item number	1417376
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 583 (C-2-2019)
GTIN	4055626112572
Weight per piece (including packing)	13.925 g
Weight per piece (excluding packing)	13.25 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Notes

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

Product properties

Product type	EMC insert, modular
Series	HC-M-EMV
Application	Data/signal
Number of positions	2
Connection profile	2
Contact numbering	1 - 2
Number of module slots	2
Number of slots	2
Contact material type	turned
	rolled
Shielded	no

Data management status

Article revision	02
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	48 V
Rated surge voltage	0.8 kV
Rated current	10 A

Connection data

Connection technology

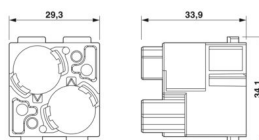
Connection technology	Crimp connection
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Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
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Dimensions

Dimensional drawing



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Width	34.2 mm
Height	34 mm
Length	29.4 mm

Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	1.6 mm

Material specifications

Material Line conductor	Zinc alloy
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (power)/Au (signal)
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)

Mechanical properties

Mechanical data

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

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °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
	Plastic module for the HC-M-EMV-BU/3-9.5 EMC connector

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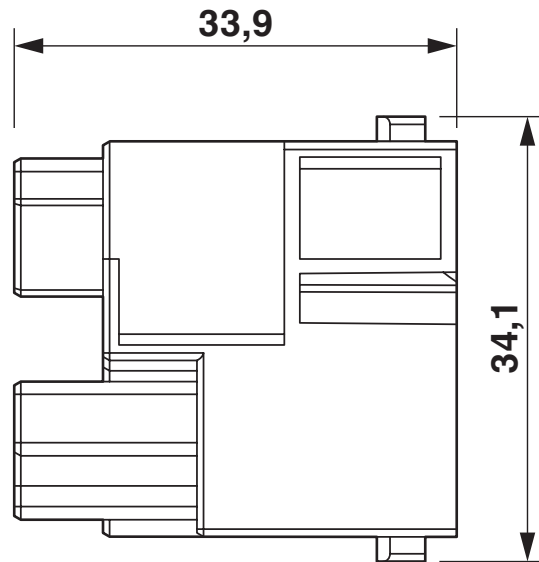
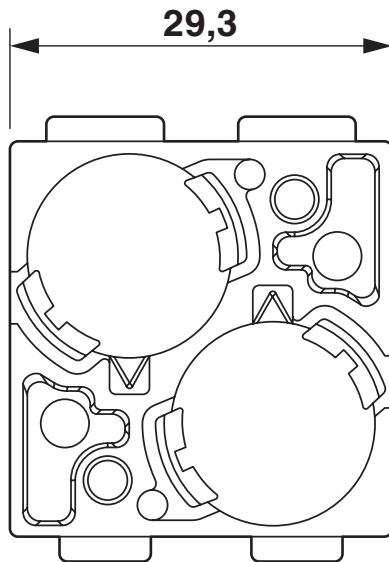


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Drawings

Dimensional drawing



Female insert

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Approvals

💡 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417376>



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	27440218
ECLASS-12.0	27440218
ECLASS-13.0	27440218

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
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/us/products/1636130>



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

HC-CST-MOD - Coding element

1636127

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



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

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HC-M-EMV-BU/3-9,5 - Connector

1636091

<https://www.phoenixcontact.com/us/products/1636091>



HEAVYCON EMC connector, socket version, 4-pos., for connecting shielded conductors with 3 - 9.5 mm external conductor diameter. For use in the HC-M-02-EMC-F plastic module

HC-M-08-EMC-DSUB-F - Connector

1066080

<https://www.phoenixcontact.com/us/products/1066080>



Connector, number of positions: 8, power contacts: 0, control contacts: 8, Socket, Crimp connection, 48 V, 5 A, 0.09 mm² ... 0.52 mm², external cable diameter: 3 mm ... 9.5 mm, application: Data/signal

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HC-M-01-COAX-CK1,6-75-F - Connector

1066961

<https://www.phoenixcontact.com/us/products/1066961>



Connector, number of positions: 1, power contacts: 0, control contacts: 1, Socket, Crimp connection, 48 V, 10 A, 0.14 mm² ... 2.5 mm², external cable diameter: 3 mm ... 9.5 mm, application: COAX, 75 Ω

HC-M-01-COAX-CK2,5-50-F - Connector

1066959

<https://www.phoenixcontact.com/us/products/1066959>



Connector, number of positions: 1, power contacts: 0, control contacts: 1, Socket, Crimp connection, 48 V, 16 A, 0.5 mm² ... 4 mm², external cable diameter: 3 mm ... 9.5 mm, application: COAX, 50 Ω

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

1182085

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



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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

1182088

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Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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

1182090

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Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame



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

1182094

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Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame



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

1182087

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Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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

1182089

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Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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

1182093

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Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



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

1182095

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Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



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HC-M-02-EMC-M - Contact insert module

1417374

<https://www.phoenixcontact.com/us/products/1417374>



Contact insert module, number of positions: 2, Pin, Crimp connection, 48 V, 10 A, 0.14 mm² ... 2.5 mm², application: Data/signal, for using two EMC connectors (pin), number of positions: 1, 4, 8

HC-M-ADP-EMC - Adapter

1420486

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Adapter, application: Shield adapters

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HC-M-EMV-KON-EWZ - Contact removal tool

1678635

<https://www.phoenixcontact.com/us/products/1678635>



Contact removal tool for HC-M-EMV contact carriers

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