

# 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 mm<sup>2</sup> .. 2.5 mm<sup>2</sup>, 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	AF7ACE
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-... 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
No. of cable outlets	2
Number of module slots	2
Number of slots	2
Contact material type	turned rolled
Shielded	no

### 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

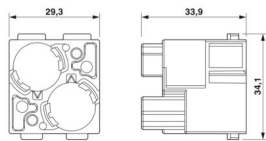
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross-section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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### Dimensions

Dimensional drawing	
Width	34.2 mm

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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

## 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

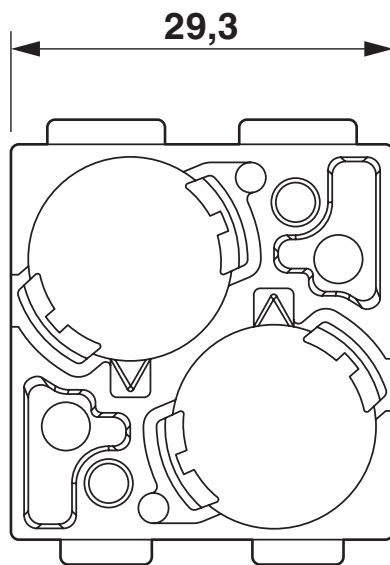
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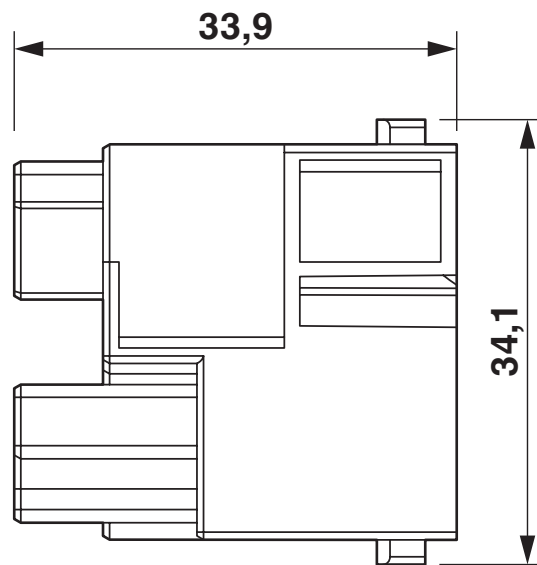
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## Drawings

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: 158887



**UL Recognized**

Approval ID: E118976

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## Classifications

### ECLASS

ECLASS-13.0	27440218
ECLASS-15.0	27440207

### ETIM

ETIM 10.0	EC002943
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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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### EF3.1 Climate Change

CO2e kg	0.066 kg CO2e
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