

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



1417374

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

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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

Commercial data

Item number	1417374
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626112565
Weight per piece (including packing)	15 g
Weight per piece (excluding packing)	13.75 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

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

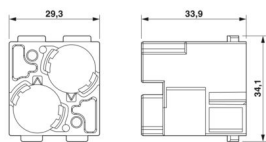
Connection technology

Connection technology	Crimp connection
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Conductor connection

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

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	29.4 mm

Mechanical characteristics

Minimum housing height	72 mm
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Contact diameter	1.6 mm
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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-ST/3-9.5 EMC connector

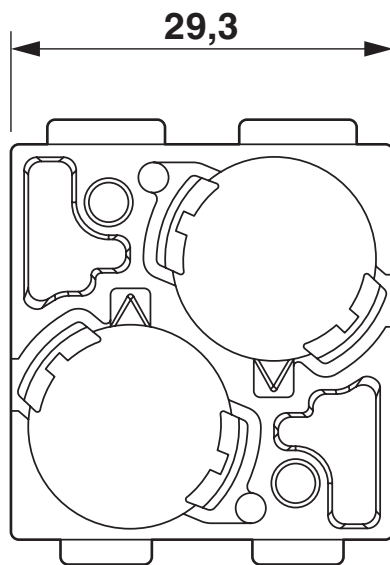
HC-M-02-EMC-M - Contact insert module

1417374

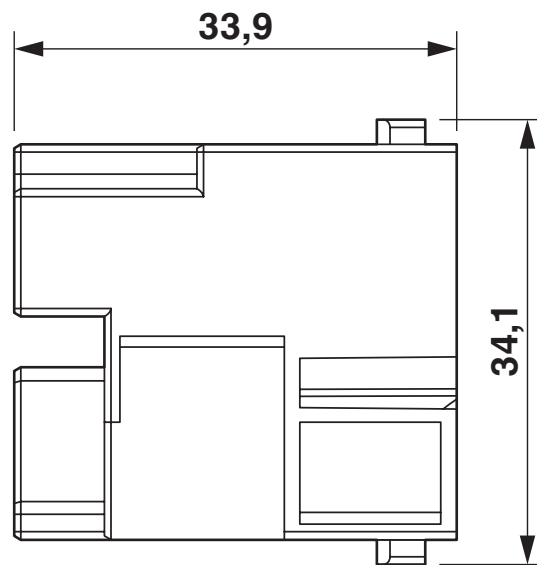
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Drawings

Dimensional drawing



Male insert



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417374>

 **CSA**
Approval ID: 158887

 **UL Recognized**
Approval ID: E118976

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

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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	0.068 kg CO2e
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com