

HC-M-08-GBIT-CT-F - Contact insert module



1417303

<https://www.phoenixcontact.com/us/products/1417303>

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Contact insert module, number of positions: 8, Socket, Crimp connection, 48 V, 5 A, 0.08 mm² ... 0.5 mm², external cable diameter:5 mm ... 7 mm, application: Data, without crimp contacts

Commercial data

Item number	1417303
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 587 (C-2-2019)
GTIN	4055626112466
Weight per piece (including packing)	51.134 g
Weight per piece (excluding packing)	50 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Notes

General	Connectors may be operated only when there is no load/voltage.
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Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
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Product properties

Product type	Modular contact insert
Series	HC-M-08-GBIT
Application	Data
Sensor type	Ethernet
Number of positions	8
Connection profile	8
Contact numbering	1 - 8
No. of cable outlets	1
Number of module slots	1
Contact material type	turned

Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology	
Connection technology	Crimp connection

Conductor connection	
Conductor cross section	0.08 mm² ... 0.5 mm²
Connection cross section AWG	28 ... 20
Stripping length of the individual wire	4.2 mm

Dimensions

Dimensional drawing	
Width	26.35 mm
Height	40.3 mm
Length	13.9 mm

Mechanical characteristics	
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Contact diameter	1 mm
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Electrical properties

Rated voltage (III/3)	48 V
Rated surge voltage	0.8 kV
Rated current	5 A
Transmission characteristics (category)	CAT6 _A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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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	Au
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)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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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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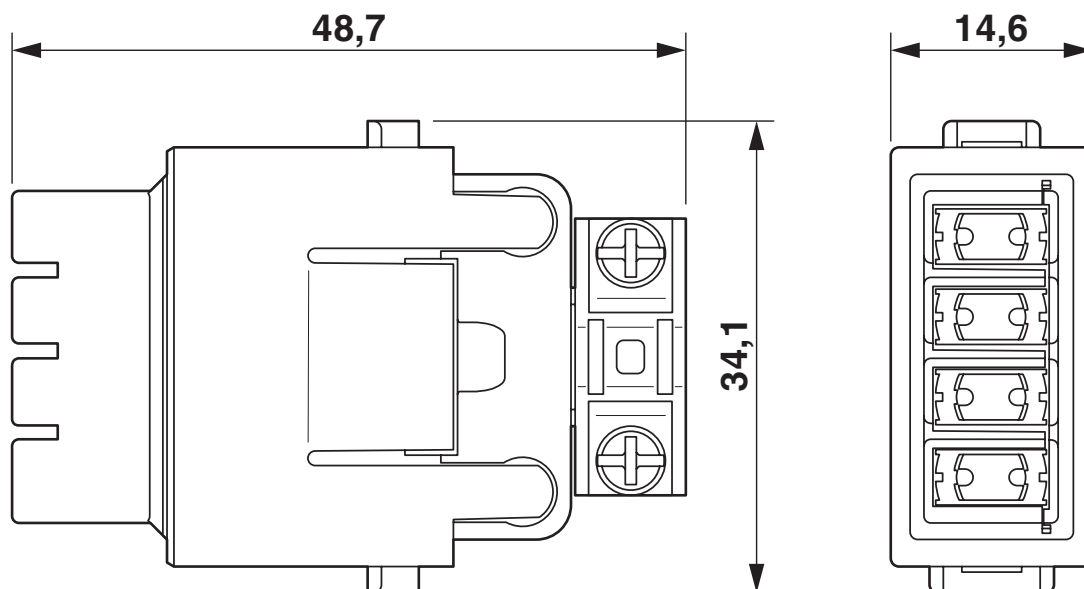


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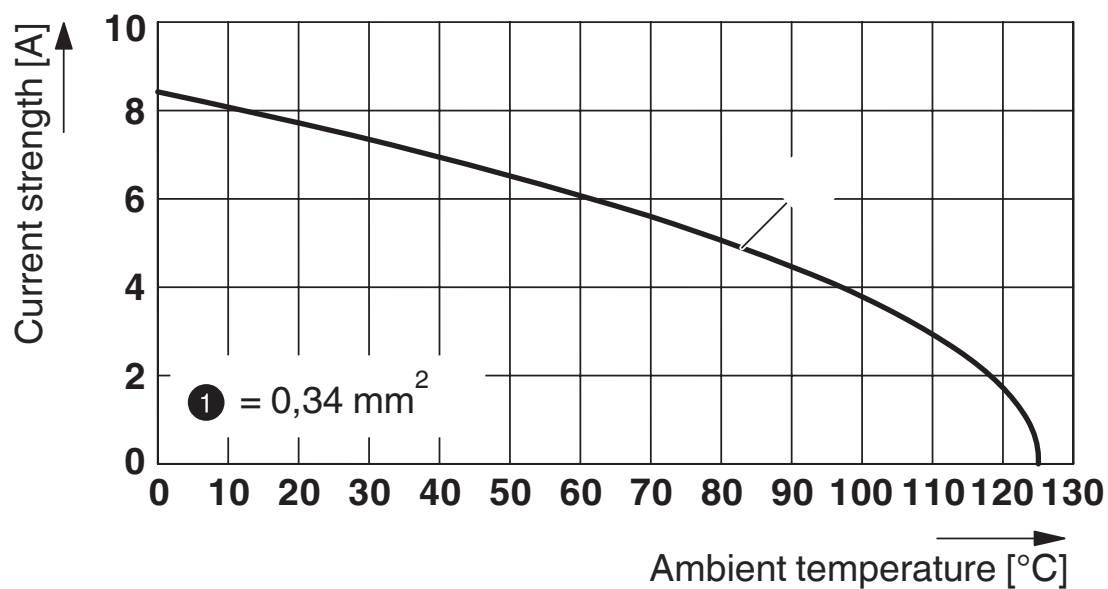
Drawings

Dimensional drawing



Female insert

Diagram



Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417303>

DNV
Approval ID: TAE000037S

	CSA Approval ID: 13631			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	50 V	5 A	- 22	-

	UL Recognized Approval ID: E118976			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	50 V	5 A	- 22	-

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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CUC-DSC-J1BAU-S/DSC24 - D-SUB crimp contact

1418788

<https://www.phoenixcontact.com/us/products/1418788>



D-SUB crimp contact, connection method: Crimp connection, connection cross section: AWG 24- 20

CUC-DSC-J1BAU-S/DSC28 - D-SUB crimp contact

1418787

<https://www.phoenixcontact.com/us/products/1418787>



D-SUB crimp contact, connection method: Crimp connection, connection cross section: AWG 28- 24

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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

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



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

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



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-08-GBIT-CT-M - Contact insert module

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CRIMPFOX-TC MP - Crimping pliers with digital display

1212510

<https://www.phoenixcontact.com/us/products/1212510>



Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm², digital display with 0.01 mm increments, pressure lock can be unlocked, including positioning tool

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