

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



1417302

<https://www.phoenixcontact.com/us/products/1417302>

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Contact insert module, number of positions: 8, Pin, Crimp connection, 48 V, 5 A, 0.08 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, external cable diameter: 4.5 mm ... 9 mm, application: Data, without crimp contacts

## Commercial data

Item number	1417302
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACE
GTIN	4055626112459
Weight per piece (including packing)	52.04 g
Weight per piece (excluding packing)	47.67 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.
General	The modules can only be installed in housings with large dimensions

### 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
Shielded	yes

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

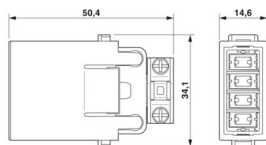
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross-section	0.08 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Connection cross section AWG	28 ... 20
Stripping length of the individual wire	4.2 mm

### Dimensions

Dimensional drawing	
Width	26.35 mm

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Height	41.4 mm
Length	13.9 mm

## Mechanical characteristics

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 <sub>A</sub>

## 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

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °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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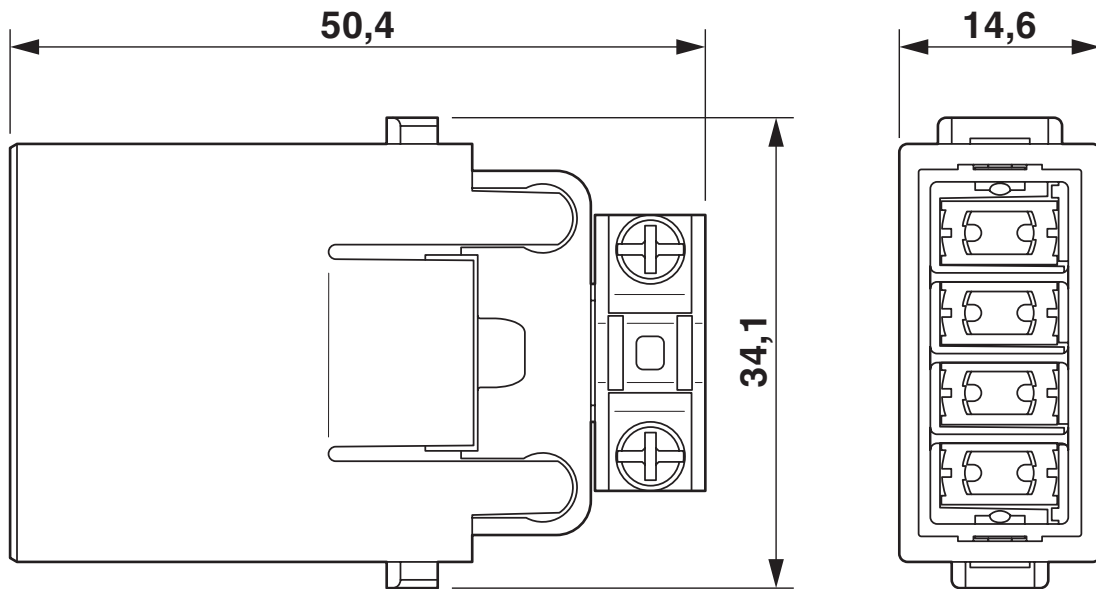
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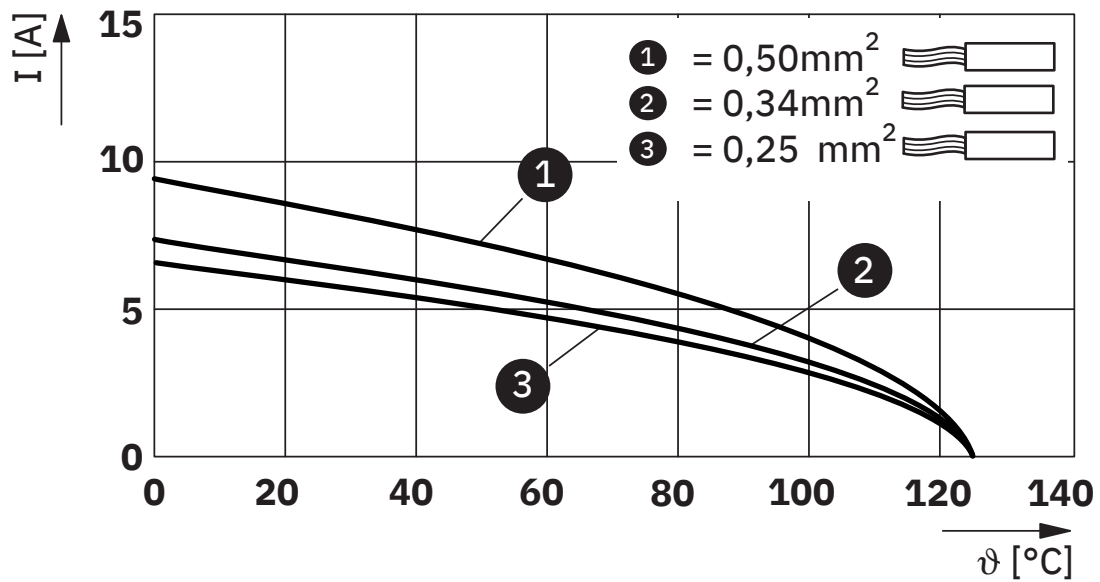
## Drawings

Dimensional drawing



Male insert

Diagram



Derating diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417302>

### DNV

Approval ID: TAE000037S



### CSA

Approval ID: 158887

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	50 V	5 A	- 22	-



### UL Recognized

Approval ID: E118976

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	50 V	5 A	- 22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440218
ECLASS-15.0	27440218

### ETIM

ETIM 10.0	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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### EF3.1 Climate Change

CO2e kg	1.154 kg CO2e
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