

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



1417303

<https://www.phoenixcontact.com/be/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	BF7ACE
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)	51,134 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 instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection method	Crimp connection

Product properties

Product type	Modular contact insert
Sensor type	Ethernet
Number of positions	8
Connection profile	8
Contact numbering	1 - 8
Application	Data
Number of module slots	1
Contact material type	turned
Series	HC-M-08-GBIT

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 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 ... 85 °C (including heating up of contacts)
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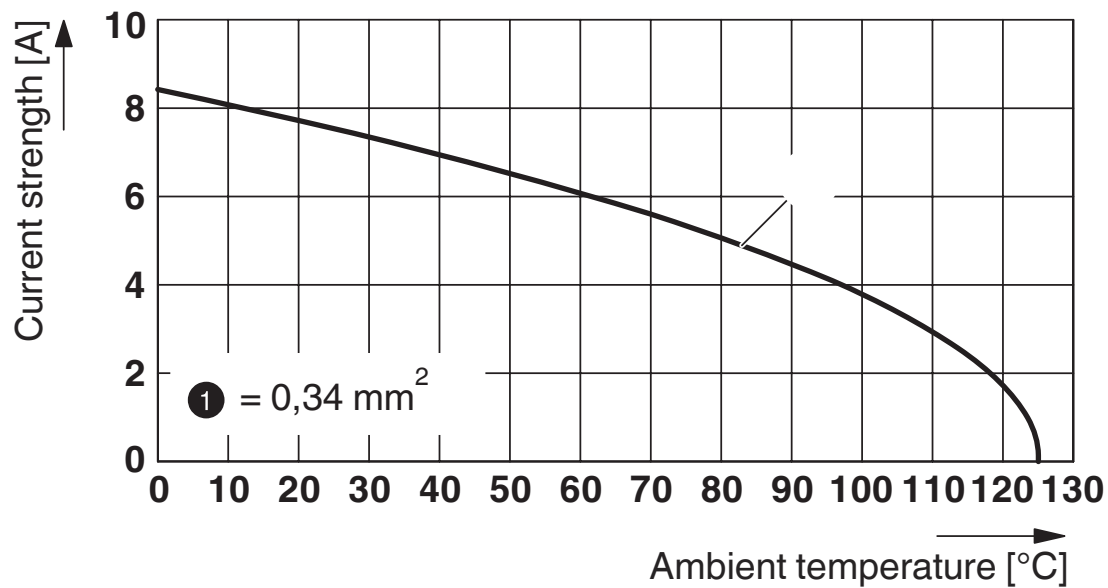
Standards and regulations

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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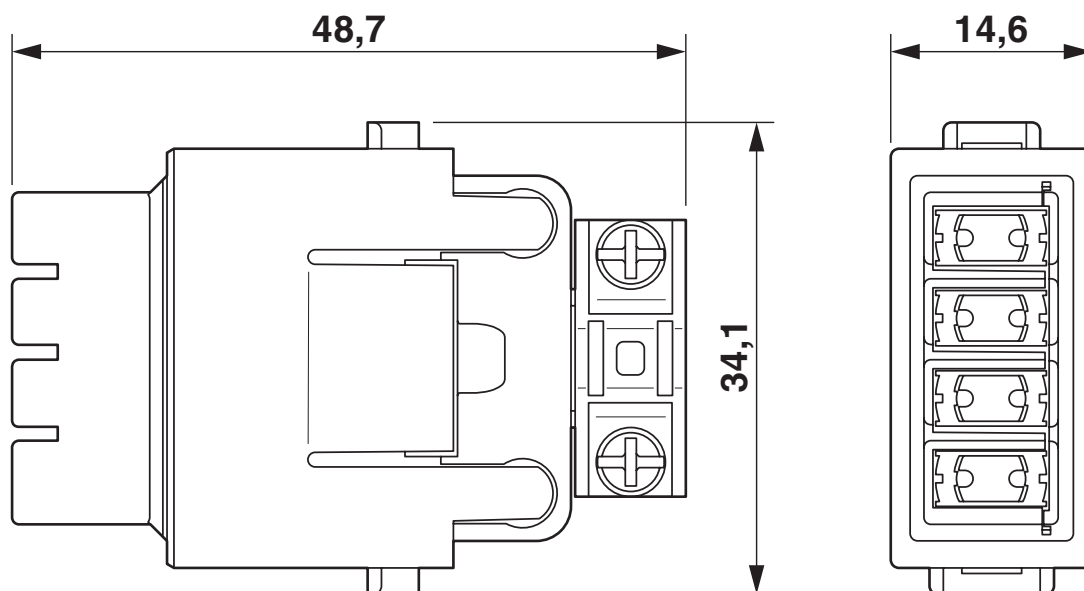
Drawings

Diagram



Derating diagram

Dimensional drawing



Female insert

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Approvals

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

DNV Approval ID: TAE000037S				
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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

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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