

HC-M-17-CT-F - Contact insert module



1414357

<https://www.phoenixcontact.com/us/products/1414357>

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Contact insert module, number of positions: 17, power contacts: 0, control contacts: 17, Socket, Crimp connection, 63 V, 10 A, 0.14 mm² ... 2.5 mm², application: Signal

Commercial data

Item number	1414357
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 581 (C-2-2019)
GTIN	4055626025001
Weight per piece (including packing)	10.26 g
Weight per piece (excluding packing)	10.26 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-... hinged module carrier frame required, CK1,6-ED... crimp contacts, crimp contacts not supplied as standard.
General	Connectors may be operated only when there is no load/voltage.

Mounting

Assembly instructions	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-17
Application	Signal
Number of positions	17
Connection profile	17
Contact numbering	1 - 17
Number of module slots	1
No. of power contacts	0
No. of control contacts	17
Contact material type	turned rolled

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	0.14 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm with 2.5 mm²)

Dimensions

Dimensional drawing	
Width	34.2 mm

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Height	34 mm
Length	14.6 mm

Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	1.6 mm

Electrical properties

Rated voltage (III/2) contacts	160 V
Rated voltage (III/3)	63 V
Rated surge voltage	2.5 kV
Rated current	10 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively 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
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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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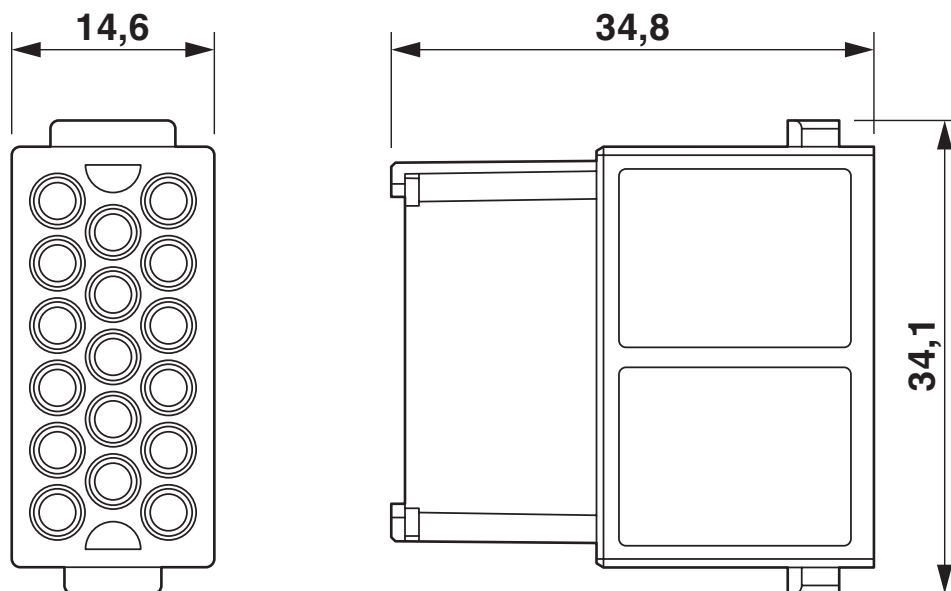
HC-M-17-CT-F - Contact insert module

1414357

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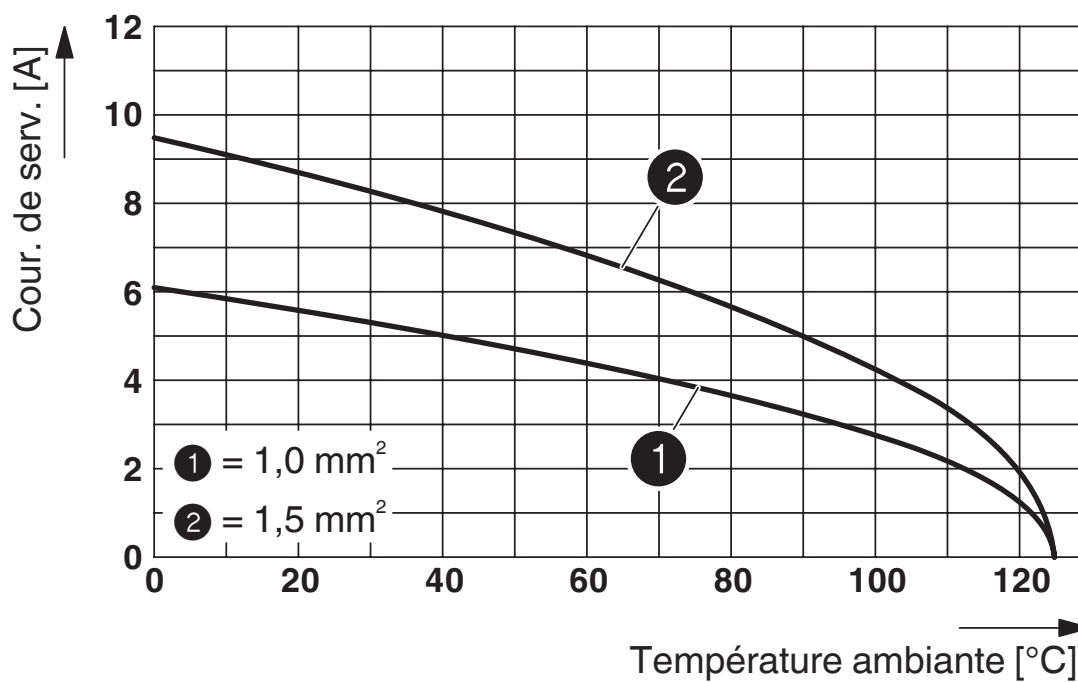
Drawings

Dimensional drawing



Female insert

Diagram



Derating diagram (3 modules in HC-B 24 housing)

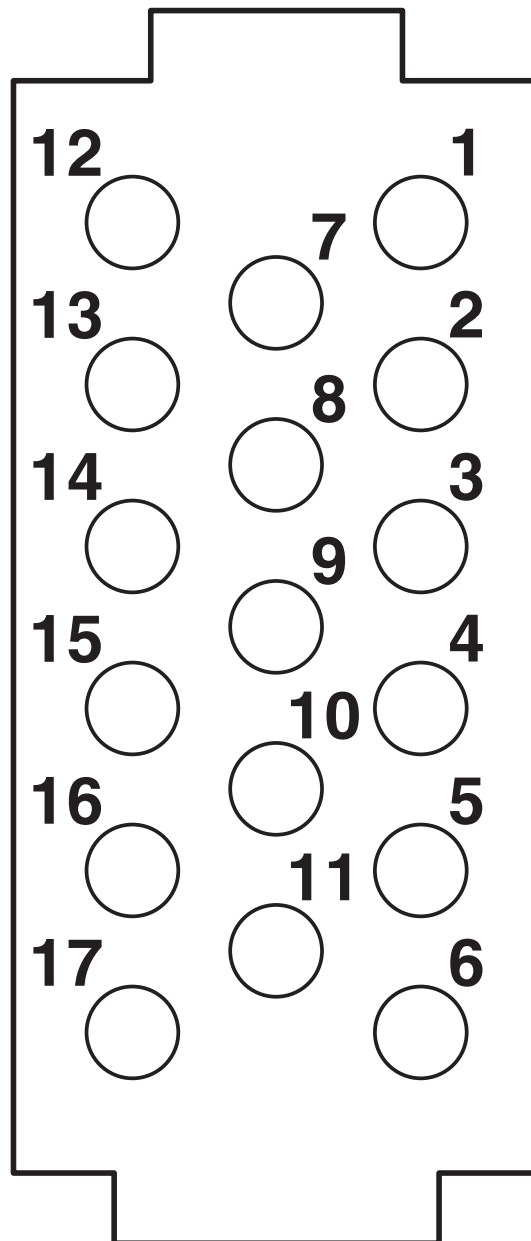
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1414357

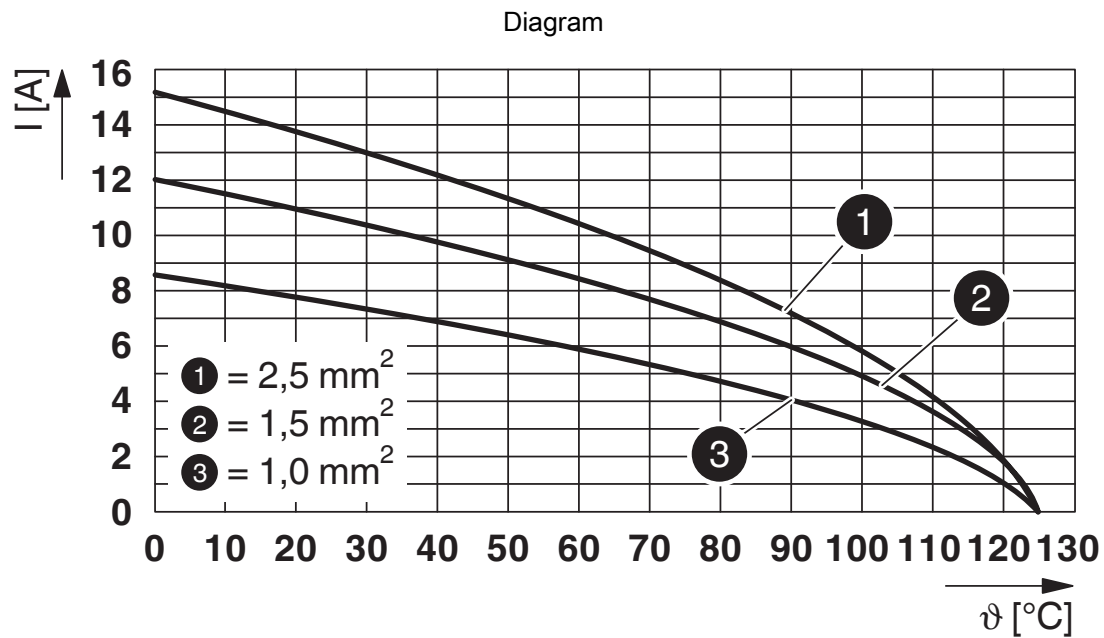
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Schematic diagram



Connector pin assignment, connection side



Derating diagram turned contacts

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414357>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	160 V	10 A	- 14	-



UL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	160 V	14 A	- 14	-



EAC

Approval ID: RU C-DE.BL08.B.00511



UL Recognized

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	14 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27440217
ECLASS-12.0	27440217
ECLASS-13.0	27440217

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