

HC-M-04-CT-M - Contact insert module



1414362

<https://www.phoenixcontact.com/ca/products/1414362>

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Contact insert module, number of positions: 4, power contacts: 4, control contacts: 0, Pin, Crimp connection, 690 V, 40 A, 1.5 mm² ... 6 mm², application: Power

Commercial data

Item number	1414362
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF27
Product key	BF7ACE
Catalog page	Page 575 (C-2-2019)
GTIN	4055626025056
Weight per piece (including packing)	11.94 g
Weight per piece (excluding packing)	11.7 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Notes

General	For HEAVYCON HC-B6 to B48 housing, HC-M-B...-MF-... module carrier frame required, crimp connection, 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 The module cannot be used simultaneously with the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.
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Product properties

Product type	Modular contact insert
Series	HC-M-04
Application	Power
Number of positions	4
Connection profile	4
Contact numbering	1 - 4
Number of module slots	1
No. of power contacts	4
No. of control contacts	0
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

Conductor connection

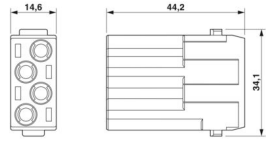
Conductor cross section	1.5 mm ² ... 6 mm ²
Connection cross section AWG	16 ... 10
Stripping length of the individual wire	9 mm (9.6 mm (4-6 mm ²))
	14 mm (4 ... 6 mm ²)

Dimensions

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Dimensional drawing	
Width	34.2 mm
Height	44.6 mm
Length	14.6 mm

Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	4 mm

Electrical properties

Rated voltage (III/2) contacts	1000 V
Rated voltage (III/3)	690 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated surge voltage	6 kV
Rated current	40 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
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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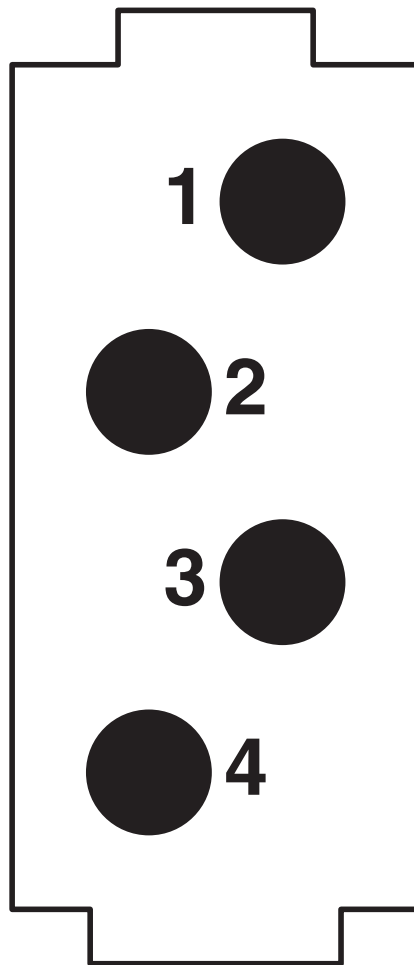
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Drawings

Schematic diagram



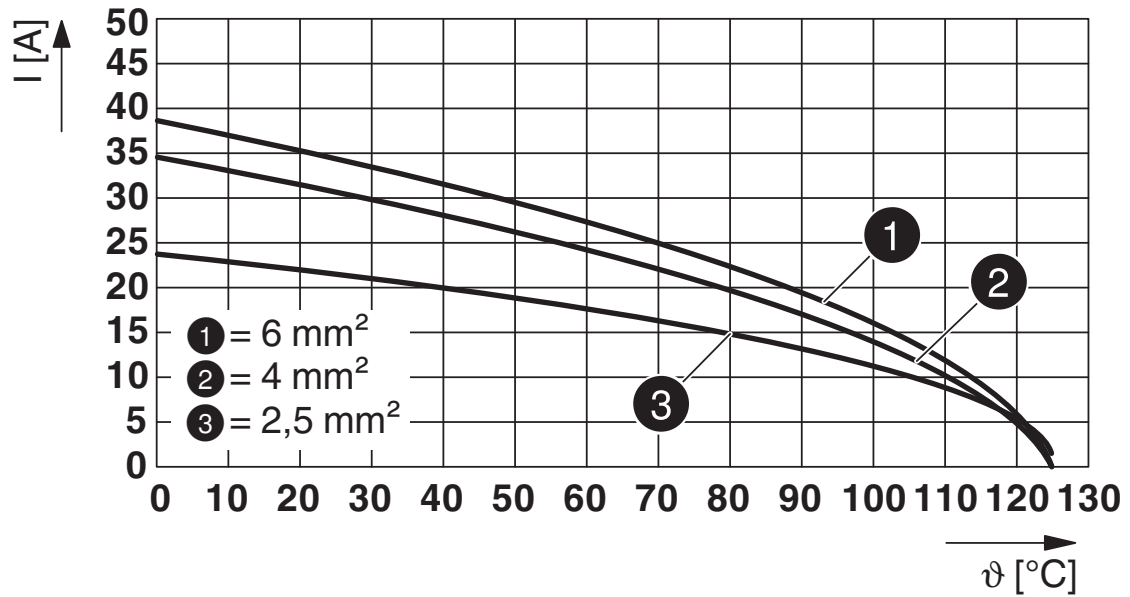
Connector pin assignment, connection side

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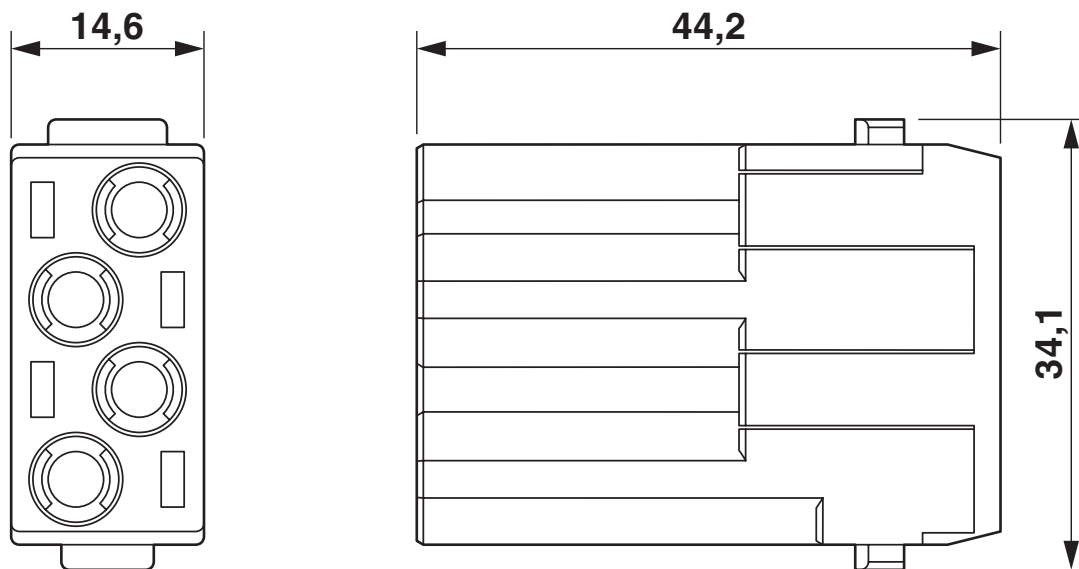
<https://www.phoenixcontact.com/ca/products/1414362>

Diagram



Derating diagram

Dimensional drawing



Male insert

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/1414362>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	830 V	30 A	- 10	-



UL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	37 A	- 10	-



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	37 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
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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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