

HC-M-04-KT-F - Contact insert module



1417370

<https://www.phoenixcontact.com/us/products/1417370>

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Contact insert module, number of positions: 4xKOAX, power contacts: 0, control contacts: 4, Socket, Soldering and crimp connection, 48 V, 2 A, 0.2 mm² ... 0.8 mm², application: Signal

Commercial data

Item number	1417370
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 589 (C-2-2019)
GTIN	4055626112527
Weight per piece (including packing)	7.18 g
Weight per piece (excluding packing)	7.1 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Notes

General	For HEAVYCON housings type B6 to B48, HC-M-B...MF-... module carrier frame required, crimp contacts HC-M-04-KOAX... (crimp contacts not included in the scope of delivery)
General	Connectors may be operated only when there is no load/voltage.
General	It is imperative that guide pins (HC-CST) and sockets (HC-CBU) are used to prevent tip collision due to misalignment.
General	The designations "female" and "male" are used differently for coaxial contacts than for single-position contacts. The correct accessories can be found in the e-shop.

Product properties

Product type	Coaxial insert, modular
Series	HC-M-04-KOAX
Application	Signal
Number of positions	4
Connection profile	4xKOAX
Contact numbering	1 - 4
No. of cable outlets	4
Number of module slots	1
No. of power contacts	0
No. of control contacts	4
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	48 V
Rated surge voltage	0.8 kV
Rated current	1.5 A
Contact resistance, phase conductor	$\leq 3 \text{ m}\Omega$
Contact resistance, inner conductor	$\leq 10 \text{ m}\Omega$
Insulation resistance	$\geq 10 \text{ G}\Omega$
Transmission characteristics (category)	shielded data cable

Connection data

Connection technology

Connection technology	Soldering and crimp connection
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Conductor connection

Conductor cross section	0.2 mm ² ... 0.8 mm ²
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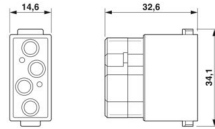


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Connection cross section AWG	24 ... 18
Stripping length of the individual wire	2.5 mm ±0.5 mm

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	32.6 mm
Length	14.6 mm

Mechanical characteristics

Contact diameter	4.8 mm
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Material specifications

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)

Cable/line

Stripping length of the individual wire	2.5 mm ±0.5 mm
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Standards and regulations

Testing

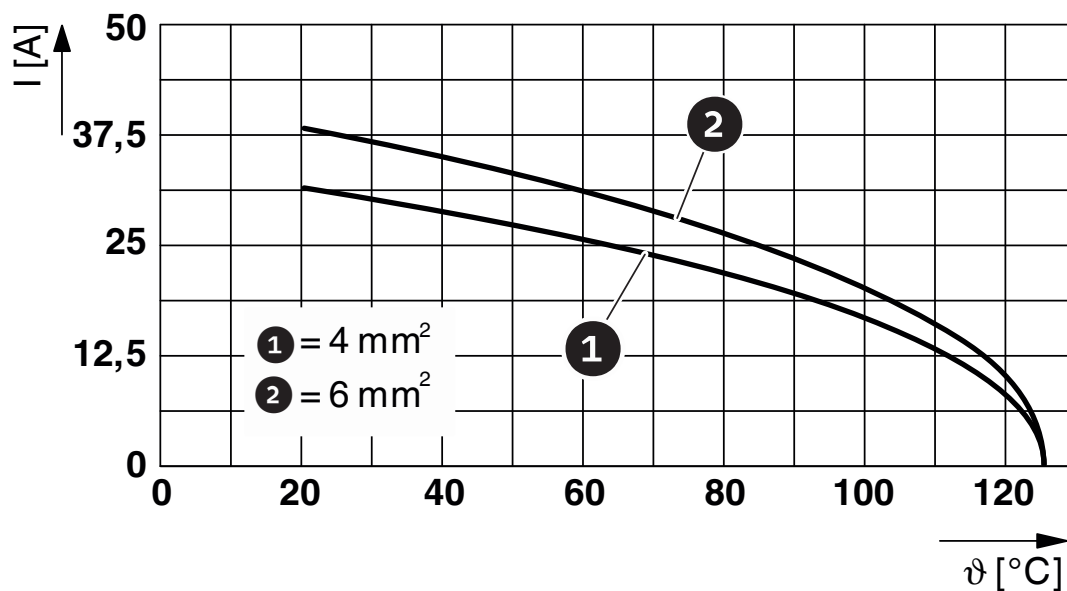
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required For HC-M-04-ST-KOAX... contacts
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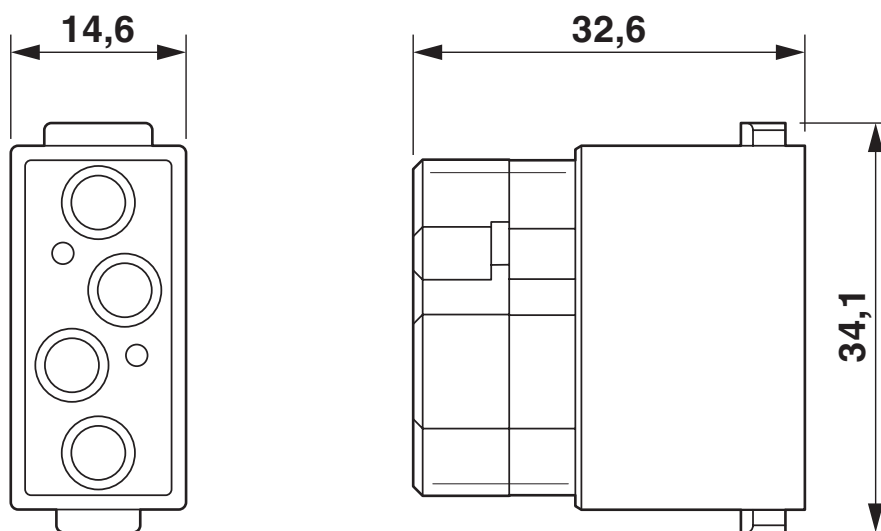
Drawings

Diagram



Derating diagram

Dimensional drawing



Female insert

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417370>

**DNV**
Approval ID: TAE000037S

**CSA**
Approval ID: 13631

**UL Recognized**
Approval ID: E118976

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

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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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