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

1414363

https://www.phoenixcontact.com/sk/products/1414363

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Contact insert module, number of positions: 4, power contacts: 4, control contacts: 0, Socket, Crimp connection, 690 V, 40 A, 1.5 mm^2 ... 6 mm^2, application: Power

Commercial data

Item number	1414363
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF7
Product key	BF7ACE
Catalog page	Page 575 (C-2-2019)
GTIN	4055626025063
Weight per piece (including packing)	9.62 g
Weight per piece (excluding packing)	9.62 g
Customs tariff number	85389099
Country of origin	PL

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.

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

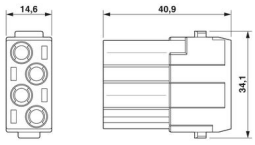
Connection technology

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

Conductor connection

Conductor cross section	1.5 mm² ... 6 mm²
Connection cross section AWG	16 ... 10
Stripping length of the individual wire	9 mm (9.6 mm (4-6 mm²))
	14 mm (4 ... 6 mm²)

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	40.9 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

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

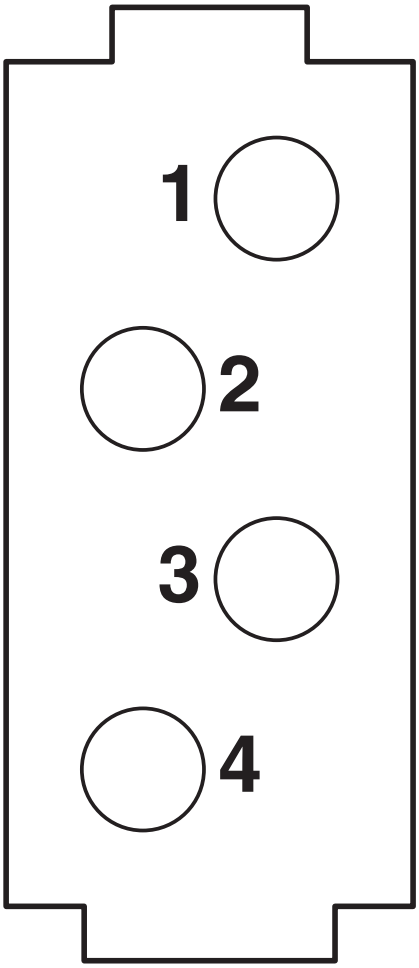
Standards and regulations

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)

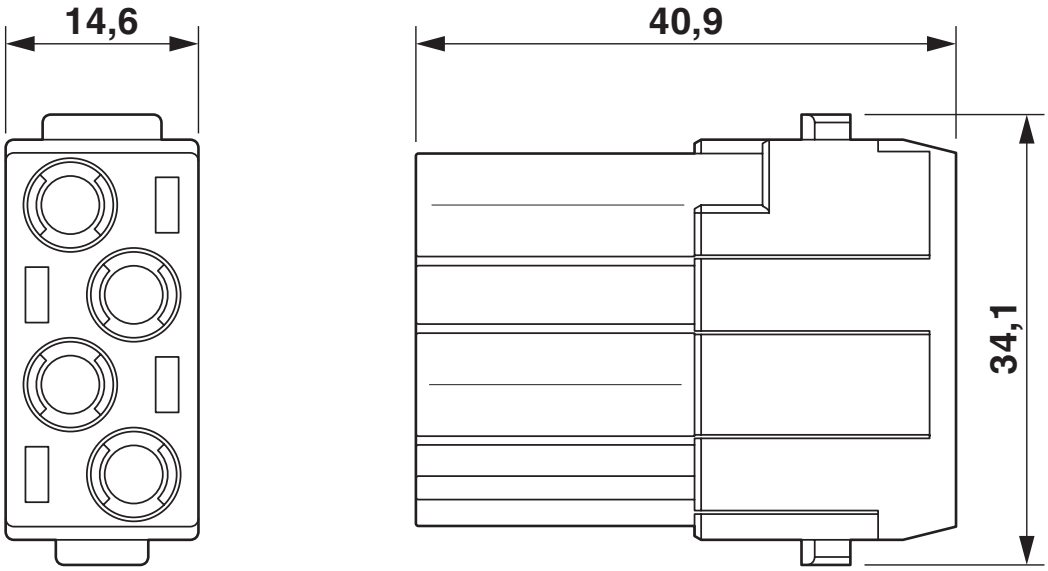
Drawings

Schematic diagram



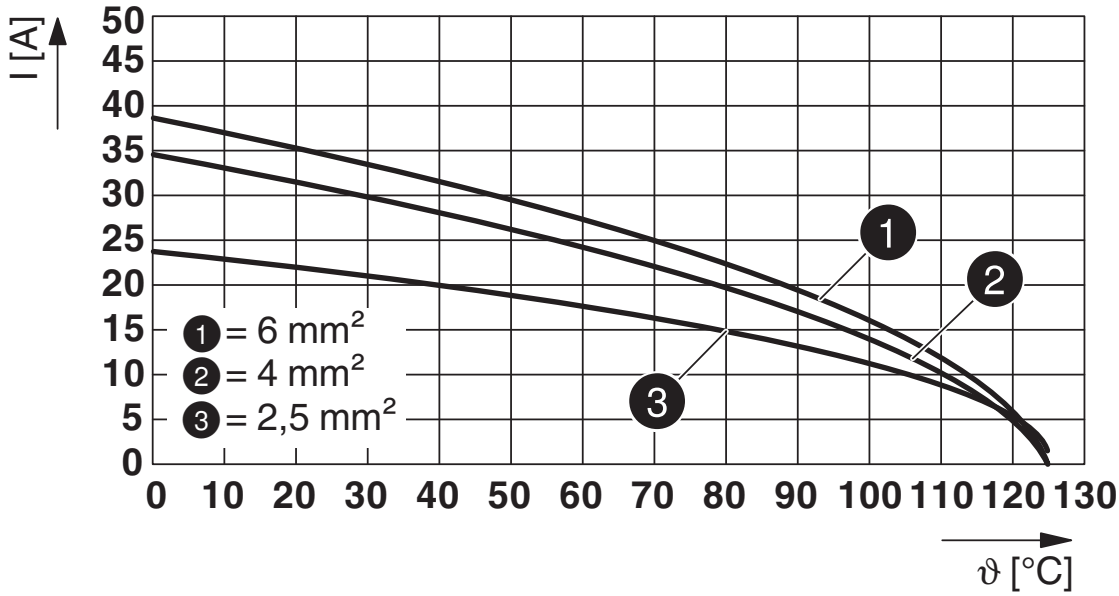
Connector pin assignment, connection side

Dimensional drawing



Female insert

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/sk/products/1414363

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	-	-

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000438

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Accessories

HC-CBU-MOD - Coding element

1636130

https://www.phoenixcontact.com/sk/products/1636130

Coding socket for coding up to 16 connectors, for HC Modular

HC-CST-MOD - Coding element

1636127

https://www.phoenixcontact.com/sk/products/1636127

Coding peg for coding up to 16 connectors, for HC Modular

HC-M-MHR-PE16 - Cable lug

1636981

https://www.phoenixcontact.com/sk/products/1636981

Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm^2, for crimping with crimp pliers

CK4,0-ED-1,50BU AG - Crimp contact

1663271

https://www.phoenixcontact.com/sk/products/1663271

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm^2 ... 1.5 mm^2, AWG 16

CK4,0-ED-2,50BU AG - Crimp contact

1663284

https://www.phoenixcontact.com/sk/products/1663284

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm^2 ... 2.5 mm^2, AWG 14

CK4,0-ED-4,00BU AG - Crimp contact

1663297

https://www.phoenixcontact.com/sk/products/1663297

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 4 mm^2 ... 4 mm^2, AWG 12

CK4,0-ED-6,00BU AG - Crimp contact

1663307

https://www.phoenixcontact.com/sk/products/1663307

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 6 mm^2 ... 6 mm^2, AWG 10

CK4,0-ED-10,00BU AG - Crimp contact

1586183

https://www.phoenixcontact.com/sk/products/1586183

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 10 mm^2 ... 10 mm^2, AWG 8

CK4,0-ED-1,50F AG - Crimp contact

1274089

https://www.phoenixcontact.com/sk/products/1274089

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1.5 mm^2 ... 1.5 mm^2, AWG 16

CK4,0-ED-2,50F AG - Crimp contact

1274088

https://www.phoenixcontact.com/sk/products/1274088

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 2.5 mm^2 ... 2.5 mm^2, AWG 14

CK4,0-ED-4,00F AG - Crimp contact

1274087

https://www.phoenixcontact.com/sk/products/1274087

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 4 mm^2 ... 4 mm^2, AWG 12

CK4,0-ED-6,00F AG - Crimp contact

1274086

https://www.phoenixcontact.com/sk/products/1274086

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 6 mm^2 ... 6 mm^2, AWG 10

CK4,0-ED-10,00F AG - Crimp contact

1274085

https://www.phoenixcontact.com/sk/products/1274085

Crimp contact, contact diameter: 4 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 10 mm^2 ... 10 mm^2, AWG 8

HC-M-B06-MFH-B - Module carrier frame

1182085

https://www.phoenixcontact.com/sk/products/1182085

Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B10-MFH-B - Module carrier frame

1182088

https://www.phoenixcontact.com/sk/products/1182088

Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B16-MFH-B - Module carrier frame

1182090

https://www.phoenixcontact.com/sk/products/1182090

Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B24-MFH-B - Module carrier frame

1182094

https://www.phoenixcontact.com/sk/products/1182094

Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B06-MFH-H - Module carrier frame

1182087

https://www.phoenixcontact.com/sk/products/1182087

Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B10-MFH-H - Module carrier frame

1182089

https://www.phoenixcontact.com/sk/products/1182089

Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B16-MFH-H - Module carrier frame

1182093

https://www.phoenixcontact.com/sk/products/1182093

Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

HC-M-B24-MFH-H - Module carrier frame

1182095

https://www.phoenixcontact.com/sk/products/1182095

Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm^2 ... 6 mm^2, application: Module carrier frame

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

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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 mm^2 ... 6 mm^2, application: Power

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

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UNIFOX RT-CK 4.0 - Contact removal tool

1072064

https://www.phoenixcontact.com/sk/products/1072064

Contact removal tool, for rotated CK-4,0-... contacts

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