

HC-M-06-MOD-BU - Contact insert module



1663462

<https://www.phoenixcontact.com/us/products/1663462>

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HEAVYCON contact insert module, female, 6-pos., crimp connection

Commercial data

Item number	1663462
Packing unit	1 pc
Minimum order quantity	2 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	BF7ACB
Catalog page	Page 557 (C-4-2015)
GTIN	4017918123277
Weight per piece (including packing)	11.35 g
Weight per piece (excluding packing)	11.02 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HEAVYCON housing type B6 to B48, HC-M-MHR... hinged retaining frame required, CK2,5-ED... crimp contacts (crimp contacts not supplied as standard)
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Mounting

Assembly instructions	Housing height \geq 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
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Product properties

Product type	Modular contact insert
Number of positions	6
Connection profile	6
Contact numbering	1 - 6
Application	Power
Number of module slots	1
Contact material type	turned
Series	HC-M-06

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

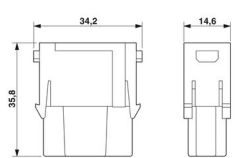
Connection technology

Connection technology	Crimp connection
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Conductor connection

Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	35.8 mm
Length	14.6 mm

Mechanical characteristics

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Minimum housing height	52 mm
Contact diameter	2.5 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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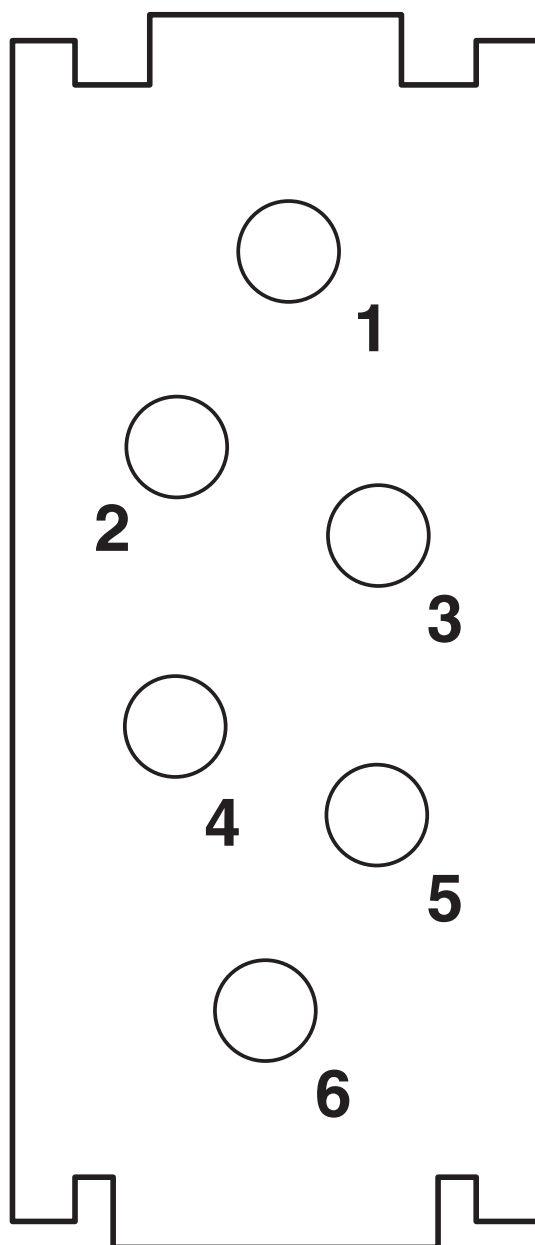


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Drawings

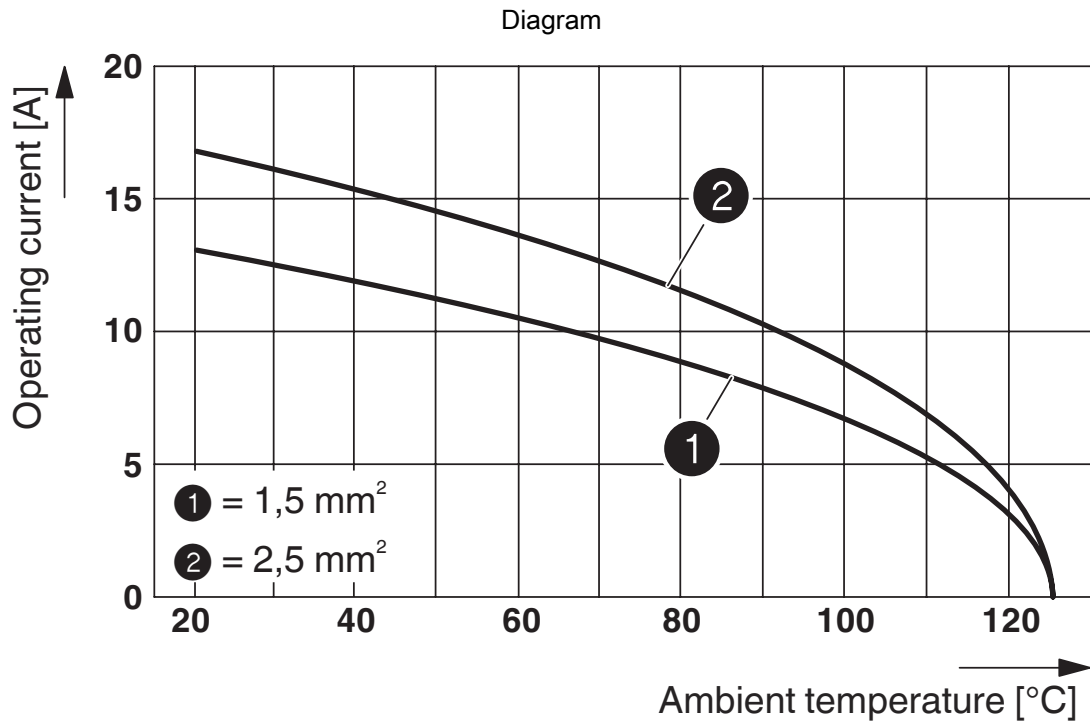
Schematic diagram



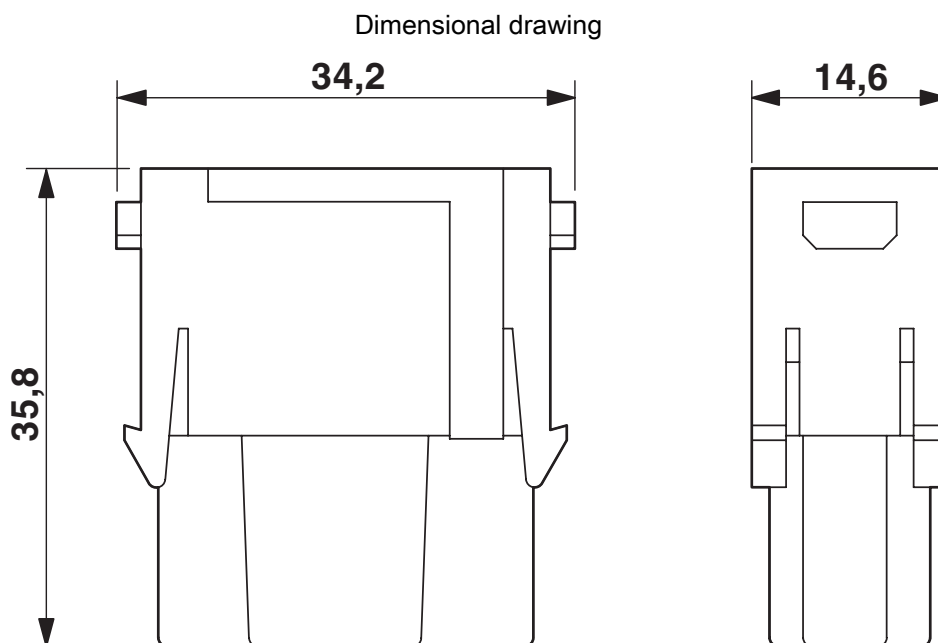
Connector pin assignment, connection side

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Derating diagram (6 modules in HC-B 24 housing)



Female insert

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Environmental product compliance

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

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Accessories

CK2,5-ED-BB - Dummy socket

1584693

<https://www.phoenixcontact.com/us/products/1584693>



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.

CK2,5-ED-0,50BU AG - Crimp contact

1663640

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

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CK2,5-ED-0,75BU AG - Crimp contact

1663653

<https://www.phoenixcontact.com/us/products/1663653>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

CK2,5-ED-1,00BU AG - Crimp contact

1663666

<https://www.phoenixcontact.com/us/products/1663666>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 1 mm², AWG 18

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CK2,5-ED-1,50BU AG - Crimp contact

1663679

<https://www.phoenixcontact.com/us/products/1663679>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

CK2,5-ED-2,50BU AG - Crimp contact

1663682

<https://www.phoenixcontact.com/us/products/1663682>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

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CK2,5-ED-3,00BU AG - Crimp contact

1663695

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 3 mm² ... 3 mm², AWG 12

CK2,5-ED-4,00BU AG - Crimp contact

1663705

<https://www.phoenixcontact.com/us/products/1663705>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

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CK2,5-ED-0,50F AG - Crimp contact

1273612

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

CK2,5-ED-0,75F AG - Crimp contact

1273611

<https://www.phoenixcontact.com/us/products/1273611>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

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CK2,5-ED-1,00F AG - Crimp contact

1273610

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

CK2,5-ED-1,50F AG - Crimp contact

1273609

<https://www.phoenixcontact.com/us/products/1273609>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

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CK2,5-ED-2,50F AG - Crimp contact

1273607

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

CK2,5-ED-3,00F AG - Crimp contact

1273606

<https://www.phoenixcontact.com/us/products/1273606>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 3 mm² ... 3 mm², AWG 12

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CK2,5-ED-4,00F AG - Crimp contact

1273604

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: silver-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

CK2,5-ED-0,37BU AU - Crimp contact

1585647

<https://www.phoenixcontact.com/us/products/1585647>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 22 ... 26

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CK2,5-ED-0,50BU AU - Crimp contact

1674859

<https://www.phoenixcontact.com/us/products/1674859>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

CK2,5-ED-1,00BU AU - Crimp contact

1674833

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.75 mm² ... 1 mm², AWG 18

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CK2,5-ED-1,50BU AU - Crimp contact

1674820

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

CK2,5-ED-2,50BU AU - Crimp contact

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

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CK2,5-ED-4,00BU AU - Crimp contact

1674846

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

CK2,5-ED-0,37F AU - Crimp contact

1273567

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 22 ... 26

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CK2,5-ED-0,50F AU - Crimp contact

1273564

<https://www.phoenixcontact.com/us/products/1273564>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

CK2,5-ED-1,00F AU - Crimp contact

1271379

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Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

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CK2,5-ED-1,50F AU - Crimp contact

1271375

<https://www.phoenixcontact.com/us/products/1271375>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

CK2,5-ED-2,50F AU - Crimp contact

1271376

<https://www.phoenixcontact.com/us/products/1271376>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

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CK2,5-ED-4,00F AU - Crimp contact

1271372

<https://www.phoenixcontact.com/us/products/1271372>



Crimp contact, contact diameter: 2.5 mm, turned, Socket, contact material: Copper alloy, lead-free, contact surface: gold-plated, connection cross section: 4 mm² ... 4 mm², AWG 12

CRIMPFOX-TC 4 - Crimping pliers

1212113

<https://www.phoenixcontact.com/us/products/1212113>



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

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UNIFOX RT-CK 2.5 - Contact removal tool

1072067

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Contact removal tool, for turned CK 2,5... contacts



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