

Contact insert module - HC-M-06-CT-F - 1414367


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Contact insert module, number of positions: 6, power contacts: 6, control contacts: 0, Socket, Crimp connection, 500 V, 16 A, 0.5 mm² ... 4 mm², application: Power



Key Commercial Data

Packing unit	5 pc
Minimum order quantity	5 pc
GTIN	 4 055626 025209
GTIN	4055626025209

Technical data

Dimensions

Height	35.8 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

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

Ambient conditions

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

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
Contact diameter	2.5 mm

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Technical data

Mechanical characteristics

Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

General

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK2,5-ED... imp contacts, crimp contacts not supplied as standard.
	Connectors may be operated only when there is no load/voltage.
Series	HC-M-06
Color	light gray
Number of module slots	1
Connection method	Crimp connection
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0
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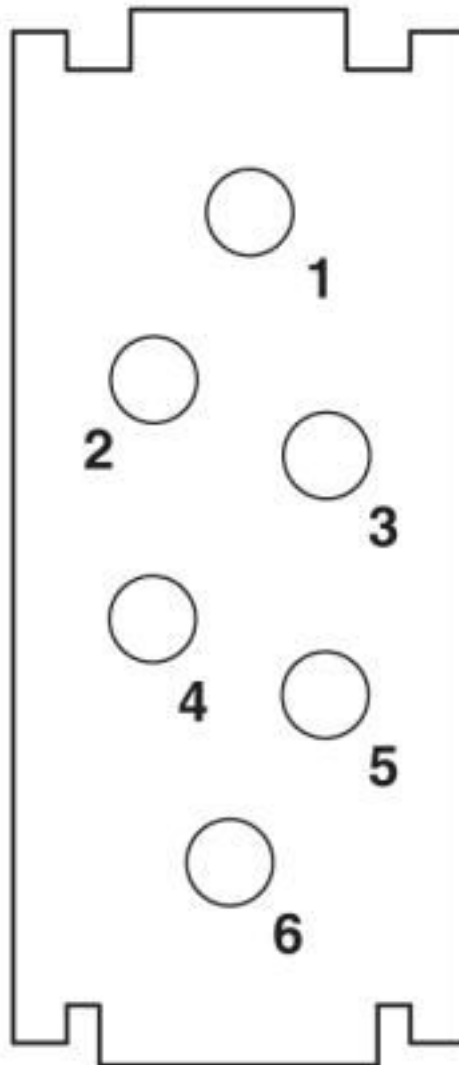
Environmental Product Compliance

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

Drawings

Contact insert module - HC-M-06-CT-F - 1414367

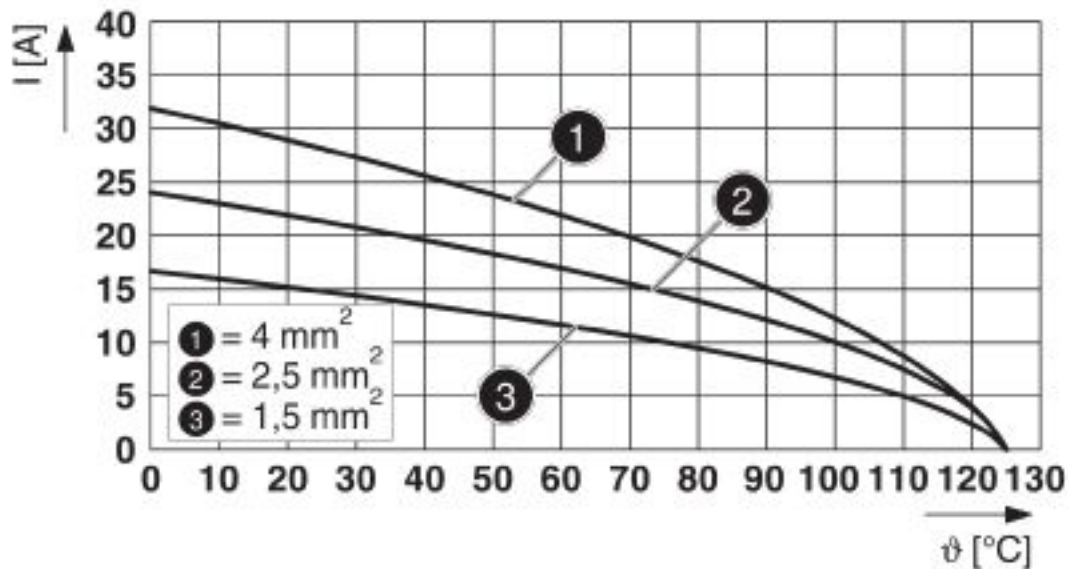
Schematic diagram



Connector pin assignment, connection side

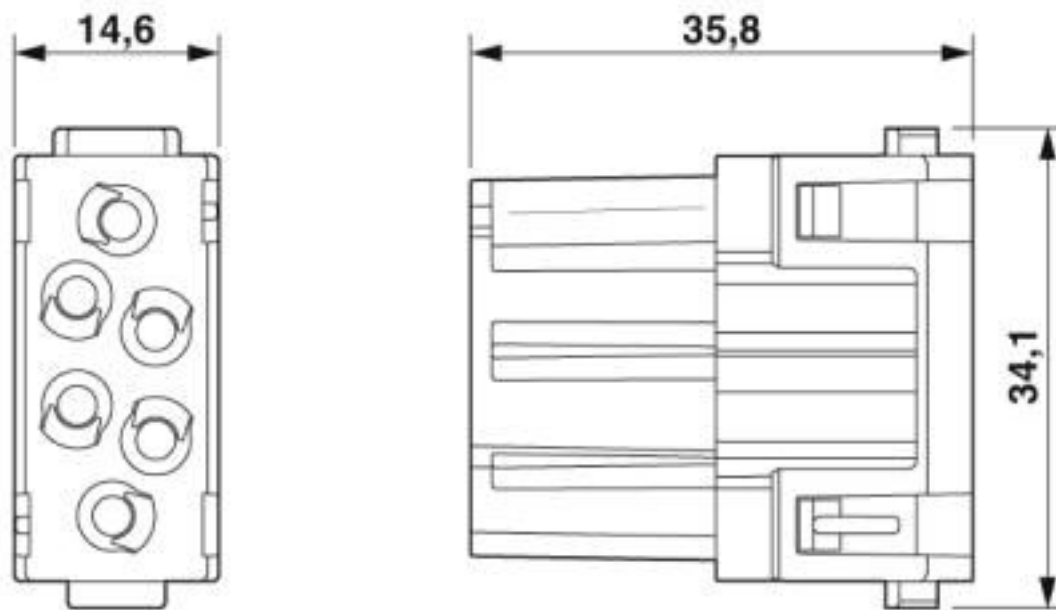
Contact insert module - HC-M-06-CT-F - 1414367

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440217
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Classifications

eCl@ss

eCl@ss 11.0	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

Approvals


Approvals

Approvals

CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN	600 V		
Nominal current IN	18 A		
mm ² /AWG/kcmil	12		

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		24 A	
mm ² /AWG/kcmil		12	

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Assembly tool

Assembly tool - UNIFOX MT-CK 1.6/2.5 - 1089092



Assembly tool, for CK 1.6... crimp contacts for small conductor cross sections

Coding element

Dummy socket - CK2,5-ED-BB - 1584693



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

Crimp contact

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Accessories

Crimp contact - CK2,5-ED-0,50BU AG - 1663640



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

Crimp contact - CK2,5-ED-0,75BU AG - 1663653



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00BU AG - 1663666



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

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

Crimp contact - CK2,5-ED-2,50BU AG - 1663682



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

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Accessories

Crimp contact - CK2,5-ED-3,00BU AG - 1663695



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

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

Crimp contact - CK2,5-ED-0,50BU AU - 1674859



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00BU AU - 1674833



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50BU AU - 1674820



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

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Accessories

Crimp contact - CK2,5-ED-2,50BU AU - 1674862



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

Crimp contact - CK2,5-ED-4,00BU AU - 1674846



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², gold-plated

Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 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

Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B10-MFH-B - 1182088



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B16-MFH-B - 1182090



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B24-MFH-B - 1182094



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B06-MFH-H - 1182087



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B10-MFH-H - 1182089



Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B16-MFH-H - 1182093



Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B24-MFH-H - 1182095



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Universal tools

Contact removal tool - UNIFOX RT-CK 2.5 - 1072067



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

Crimp contact - CK2,5-ED-0,37BU AU - 1585647



Crimp contact, connection method: Crimp connection, connection cross section: AWG 22- 26

Additional products

Contact insert module - HC-M-06-CT-M - 1414366



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