

# Contact insert module - HC-M-02-CT-F - 1414361

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Crimp connection, 830 V, 40 A, 1.5 mm<sup>2</sup> ... 10 mm<sup>2</sup>, application: Power



COMPLIANT

## Key Commercial Data

Packing unit	5 pc
Minimum order quantity	5 pc
GTIN	 4 055626 025049
GTIN	4055626025049

## Technical data

### Dimensions

Height	42.4 mm
Width	34.2 mm
Length	14.6 mm

### Electrical characteristics

Rated voltage (III/3)	830 V
Rated voltage (III/2)	1000 V
Rated current	40 A
Rated surge voltage	8 kV
Connection profile	2

### Ambient conditions

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

Conductor cross section	1.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Connection cross section AWG	16 ... 8
Stripping length of the individual wire	9 mm (for 1.5 ... 2.5 mm <sup>2</sup> )

# Contact insert module - HC-M-02-CT-F - 1414361

## Technical data

### Mechanical characteristics

	9.6 mm (for 4 mm <sup>2</sup> ... 6 mm <sup>2</sup> )
	18 mm (for 10 mm <sup>2</sup> )
Contact diameter	4 mm
Insertion/withdrawal cycles	≥ 500

### General

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK4,0..... crimp contacts, crimp contacts not supplied as standard.
	Connectors may be operated only when there is no load/voltage.
Series	HC-M-02
Color	light gray
Number of module slots	1
Connection method	Crimp connection
Connection in acc. with standard	IEC / EN
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
Contact carrier material	PC

### Standards and Regulations

Flammability rating according to UL 94	V0
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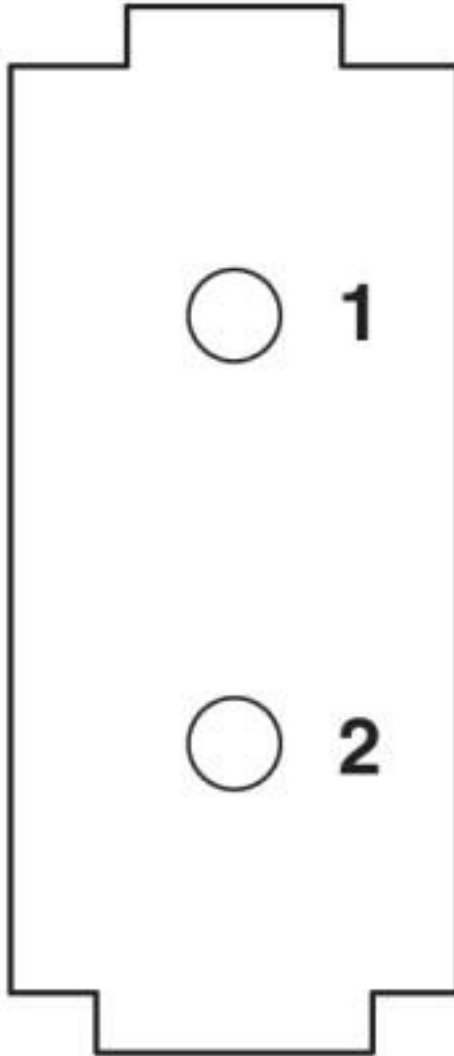
### Environmental Product Compliance

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

## Drawings

## Contact insert module - HC-M-02-CT-F - 1414361

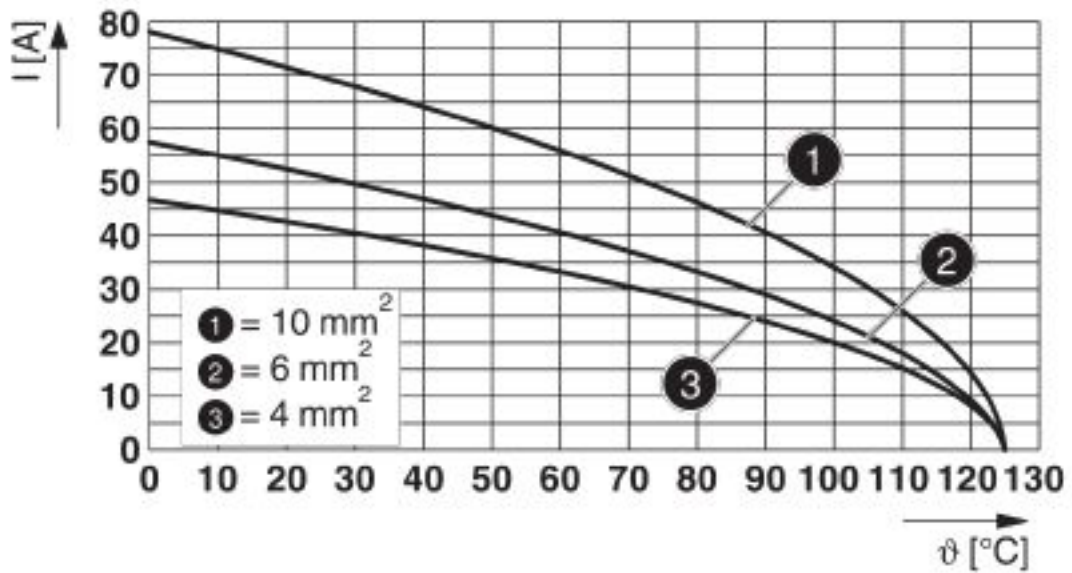
Schematic diagram



Connector pin assignment, connection side

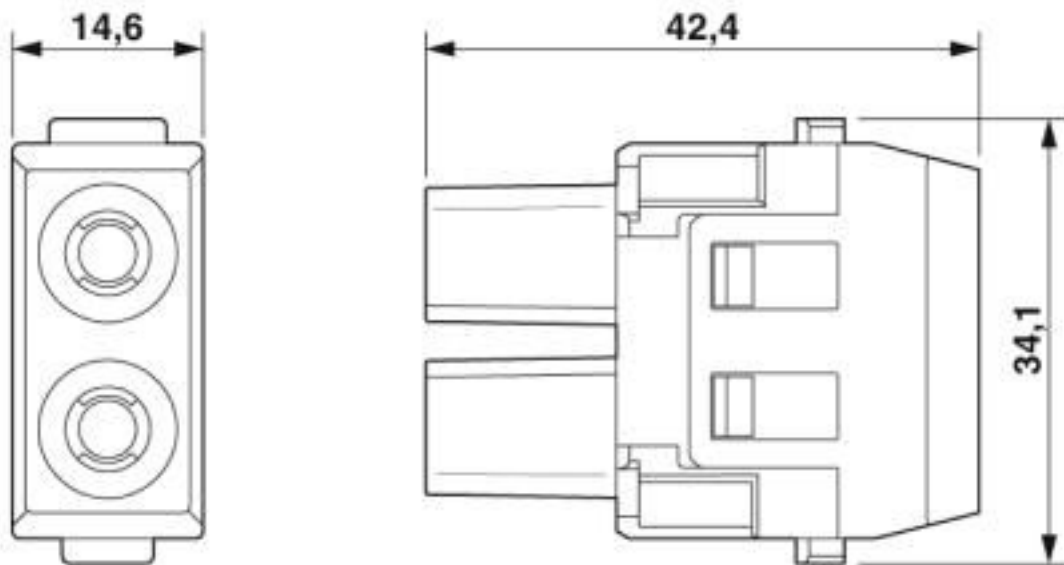
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Diagram



Derating diagram

Dimensional drawing



Female insert

## Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200

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## Classifications

### eCl@ss

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		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		600 V	
Nominal current IN		34 A	
mm <sup>2</sup> /AWG/kcmil		10	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		600 V	

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## Approvals

Nominal current I <sub>N</sub>	42 A
mm <sup>2</sup> /AWG/kcmil	10

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

### Accessories

#### Crimp contact

Crimp contact - CK4,0-ED-1,50BU AG - 1663271



Turned 4.0 crimp contact, individual female contact, core diameter 1.50 mm<sup>2</sup>, silver-plated

Crimp contact - CK4,0-ED-2,50BU AG - 1663284



Turned 4.0 crimp contact, individual female contact, core diameter 2.50 mm<sup>2</sup>, silver-plated

Crimp contact - CK4,0-ED-4,00BU AG - 1663297



Turned 4.0 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

## Contact insert module - HC-M-02-CT-F - 1414361

### Accessories

Crimp contact - CK4,0-ED-6,00BU AG - 1663307



Turned 4.0 crimp contact, individual female contact, core diameter 6.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-10,00BU AG - 1586183



Turned 4.0 crimp contact, single socket contact, 10 mm<sup>2</sup> conductor cross section, silver-plated

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### 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

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Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

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### 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 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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## Contact insert module - HC-M-02-CT-F - 1414361

### Accessories

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



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

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



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

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



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

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



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

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



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

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## Contact insert module - HC-M-02-CT-F - 1414361

### Accessories

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



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

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



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

### Mounting material

Cable lug - HC-M-MHR-PE16 - 1636981



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm<sup>2</sup>, for crimping with crimp pliers

### Universal tools

Contact removal tool - UNIFOX RT-CK 4.0 - 1072064



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

### Additional products

Contact insert module - HC-M-02-CT-M - 1414360



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