

# Contact insert module - HC-M-03/04-CT-F - 1414365


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Contact insert module, number of positions: 3+4, power contacts: 3, control contacts: 4, Socket, Crimp connection, 830 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power/signal



## Key Commercial Data

Packing unit	5 pc
Minimum order quantity	5 pc
GTIN	 4 055626 025087
GTIN	4055626025087

## Technical data

### Dimensions

Height	39.1 mm
Width	34.2 mm
Length	14.6 mm

### Electrical characteristics

Rated voltage (III/3)	830 V (power contacts)
	830 V (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)
Rated surge voltage	8 kV (power contacts)
	8 kV (control contacts)
Connection profile	3+4

### Ambient conditions

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

Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
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## Technical data

### Mechanical characteristics

	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)
Connection cross section AWG	16 ... 10 (power contacts)
	26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (9.6 mm (4.0 -6.0 mm <sup>2</sup> ))
	8 mm (6 mm (2,5 mm <sup>2</sup> ))
Contact diameter	4 mm
Wire diameter including insulation	5 mm (for power contacts)
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

### General

Note	For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, crimp connection, power contacts: CK 4,0-ED..., control contacts: CK 1,6-ED... (crimp contacts not supplied as standard)
	Connectors may be operated only when there is no load/voltage.
Series	HC-M-03/04
Color	light gray
Number of module slots	1
Connection method	Crimp connection (power contacts)
	Crimp connection (control contacts)
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
Connection	The module cannot be used simultaneously with HC-B...-TMB-SD-IP65 and HC-B...-TMS-SD-IP65 protective covers. Not suitable for CK1,6-ED...POF fiber optic contacts.

### 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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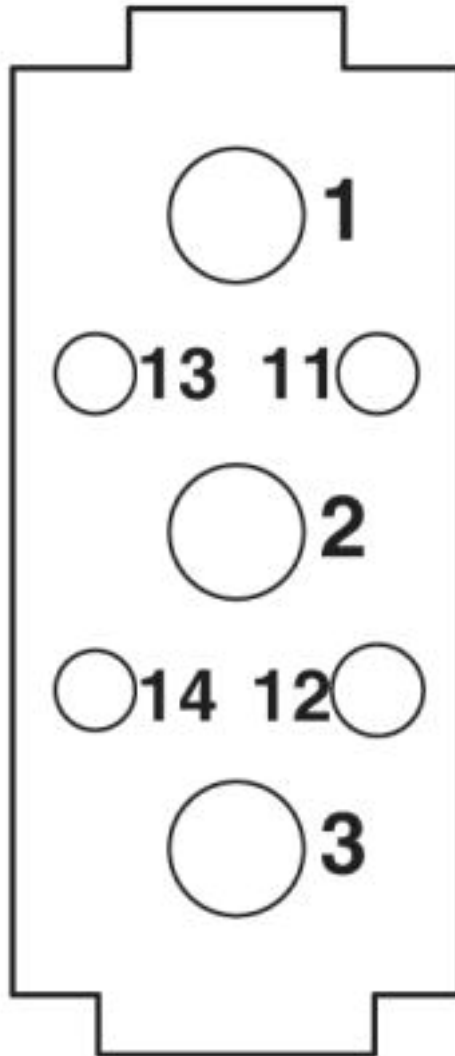
### Environmental Product Compliance

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

## Drawings

## Contact insert module - HC-M-03/04-CT-F - 1414365

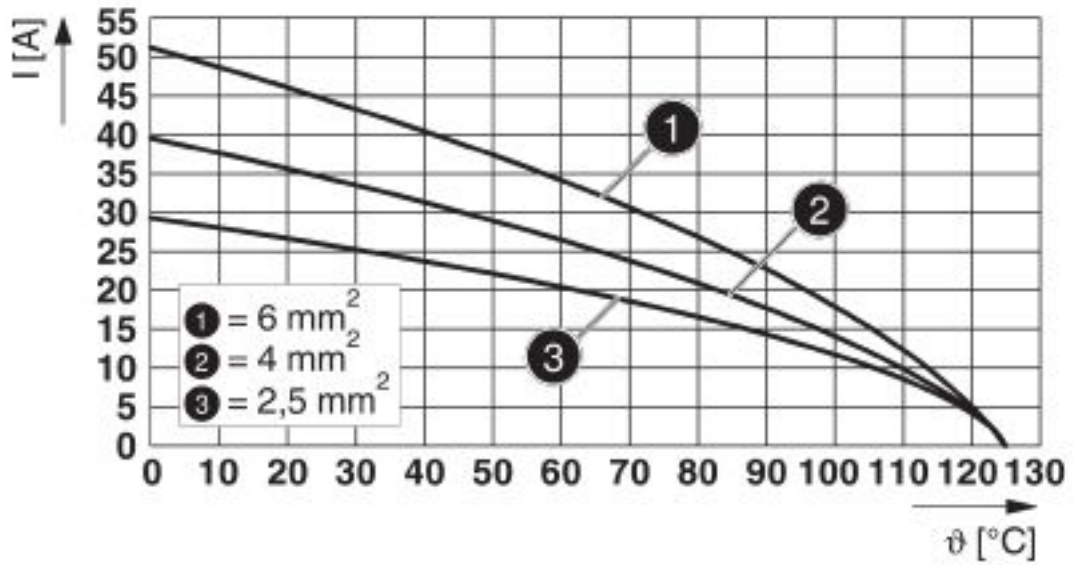
Schematic diagram



Connector pin assignment, connection side

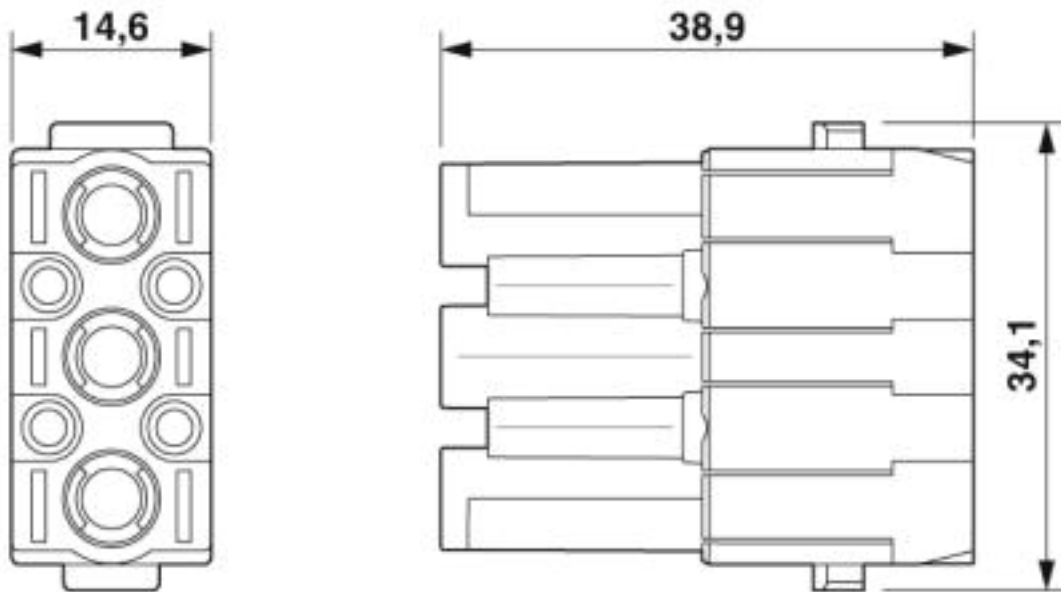
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Diagram



Derating diagram

Dimensional drawing



Approvals

Approvals

Approvals


CSA / UL Recognized / EAC


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## Approvals

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		33 A	
mm <sup>2</sup> /AWG/kcmil		10	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		600 V	
Nominal current IN		40 A	
mm <sup>2</sup> /AWG/kcmil		10	

EAC			RU C- DE.AI30.B.01102
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