

# Contact insert module - HC-M-03-CT-M - 1414358

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Contact insert module, number of positions: 3, power contacts: 3, control contacts: 0, Pin, Crimp connection, 690 V, 40 A, 1.5 mm<sup>2</sup> ... 10 mm<sup>2</sup>, application: Power



## Key Commercial Data

Packing unit	5 pc
Minimum order quantity	5 pc
GTIN	
GTIN	4055626025018

## Technical data

### Dimensions

Height	43.1 mm
Width	34.2 mm
Length	14.6 mm

### Electrical characteristics

Rated voltage (III/3)	690 V
Rated current	40 A
Rated surge voltage	6 kV
Connection profile	3

### 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> )
	9.6 mm (for 4 mm <sup>2</sup> ... 6 mm <sup>2</sup> )

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## Technical data

### Mechanical characteristics

	15 mm (for 10 mm <sup>2</sup> /conductor ≥ 5 mm diameter)
	18 mm (for 10 mm <sup>2</sup> /conductor ≥ 6.4 mm diameter)
Contact diameter	4 mm
Wire diameter including insulation	7.5 mm
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, CK4,0..... crimp contacts, crimp contacts not supplied as standard.
	Connectors may be operated only when there is no load/voltage.
Series	HC-M-03
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
Connection	The CK4,0-EWZ tool (order no. 1662735) is required for removing the crimp contacts. At every "C" contact chamber, the position of the contact retaining springs is marked with two black markings on the connection side. From the connection side, the tool is pushed over the contact in a position-oriented manner, so that it touches both the retaining springs. Then insert it up to the limit stop. Do not turn the inserted tool. Push the conductor out of the insulating body along with the tool from the connection side.

### 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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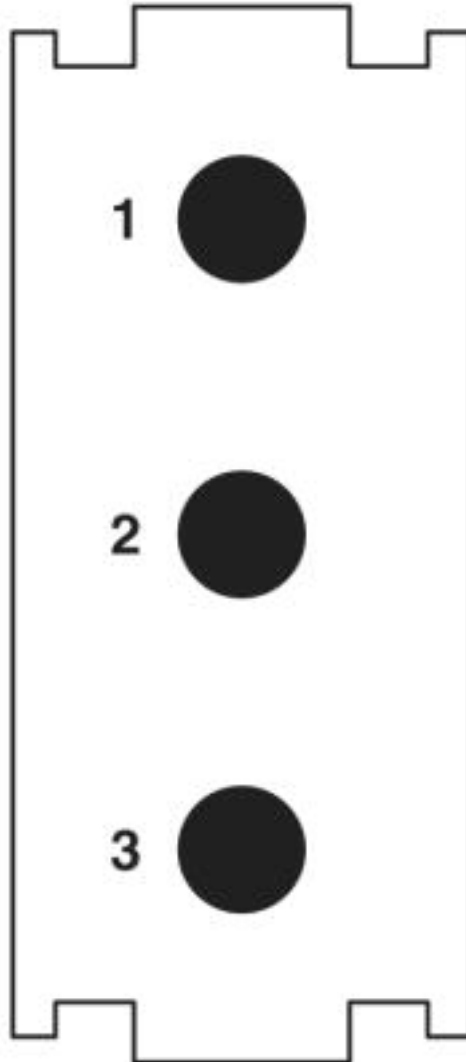
### Environmental Product Compliance

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

## Drawings

## Contact insert module - HC-M-03-CT-M - 1414358

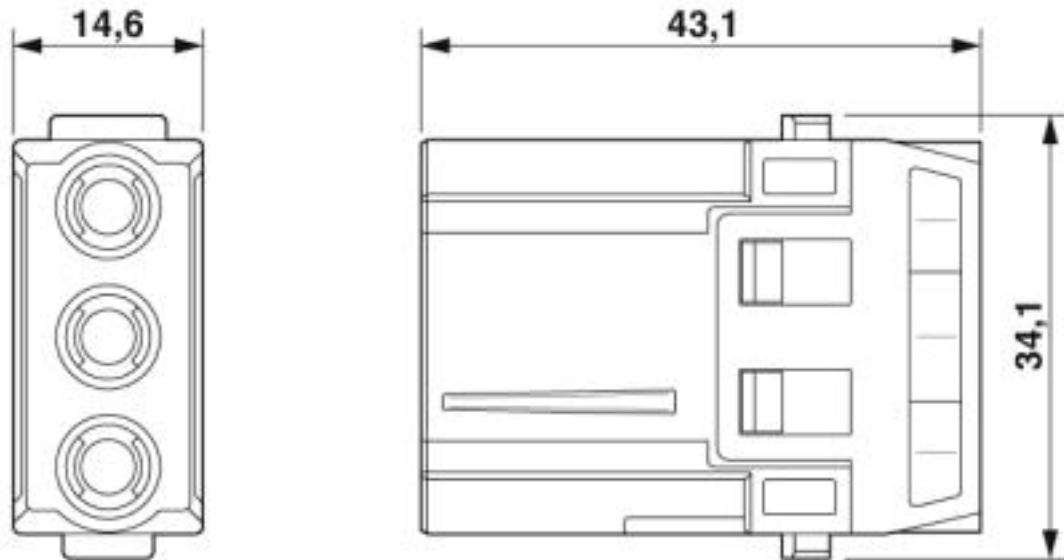
Schematic diagram



Connector pin assignment, connection side

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Dimensional drawing



## Approvals

Approvals

Approvals

CSA / UL Recognized / 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		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		42 A	

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### Approvals

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

EAC		RU C- DE.AI30.B.01102
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