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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Contact insert module - HC-M-20-CT-M - 1414372


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Contact insert module, Number of positions: 20, Pin, Crimp connection, 690 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>, Application: Power



### Key Commercial Data

Packing unit	2 STK
Minimum order quantity	2 STK
GTIN	 4 055626 025254
GTIN	4055626025254

### Technical data

#### Dimensions

Height	37.6 mm
Width	34.2 mm
Length	29.4 mm

#### Electrical characteristics

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.
Rated voltage (III/3)	690 V
Rated current	16 A
Rated surge voltage	6 kV
Connection profile	20

#### Ambient conditions

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

Conductor cross section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12

# Contact insert module - HC-M-20-CT-M - 1414372

## Technical data

### Mechanical characteristics

Stripping length of the individual wire	7.5 mm
Insertion/withdrawal cycles	≥ 500

### General

Series	HC-M-20
Color	light gray
Number of module slots	2
Connection method	Crimp connection
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Housing height ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.

### Material data

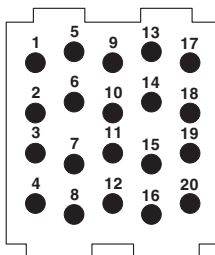
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

### Standards and Regulations

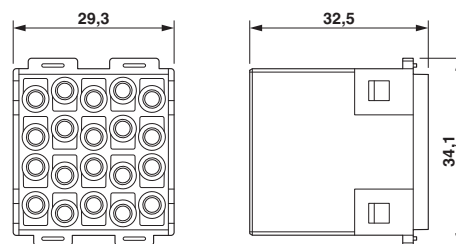
Flammability rating according to UL 94	V0
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## Drawings

Schematic diagram

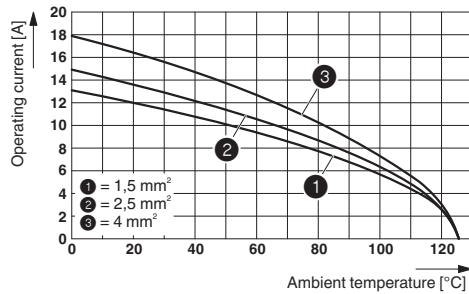


Dimensional drawing



# Contact insert module - HC-M-20-CT-M - 1414372

Diagram



Derating diagram (3 modules in HC-B 24 housing)

## Approvals

### Approvals

Approvals

EAC / UL Recognized / CSA

Ex Approvals

### Approval details

EAC		<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>	7500651.22.01.00246
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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
mm²/AWG/kcmil	12		
Nominal current IN	17.5 A		
Nominal voltage UN	500 V		

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
mm²/AWG/kcmil	12		
Nominal current IN	14 A		
Nominal voltage UN	500 V		

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