

# Contact insert module - HC-M-02-CT-M-HV-16 - 1417408

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Pin, Crimp connection, 2900/5000 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>, application: High-voltage



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626112732

## Technical data

### Dimensions

Height	61.3 mm
Width	34.1 mm
Length	29.3 mm

### Electrical characteristics

Rated voltage (III/3)	2900 V (Conductor-PE) 5000 V (Conductor-Conductor)
Rated current	16 A
Rated surge voltage	15 kV
Connection profile	2

### 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
Stripping length of the individual wire	9.5 mm
Contact diameter	2.5 mm

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## Technical data

### Mechanical characteristics

Wire diameter	2.5 mm
Wire diameter including insulation	8 mm
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 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.
Series	HC-M-HV
Color	light gray
Number of module slots	2
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
Connection	<p>Assembly procedure:</p> <ul style="list-style-type: none"> <li>- Strip wire 9.5 mm,</li> <li>- connect the stripped part of the wire through the locking sleeve (for wire diameter &gt; 3.2 mm),</li> <li>- crimp wire (with protracted locking sleeve) with CK2.5...ED crimp contact,</li> <li>- lock the locking sleeve with the crimp contact together with the module's insulating body.</li> </ul>

### Material data

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

### Standards and Regulations

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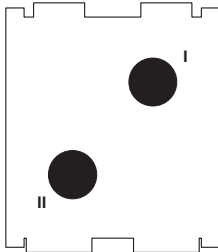
### Environmental Product Compliance

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

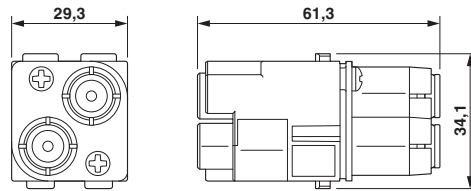
## Drawings

# Contact insert module - HC-M-02-CT-M-HV-16 - 1417408

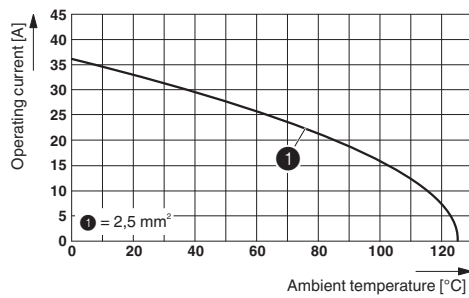
Schematic diagram



Dimensional drawing



Diagram



## Approvals

Approvals

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Approvals

CSA / UL Recognized / EAC

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Ex Approvals


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## 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	24 A		
mm²/AWG/kcmil	12		

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### Approvals

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		28 A	
mm <sup>2</sup> /AWG/kcmil		12	

EAC		RU C- DE.AI30.B.01102
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