

# Contact insert - HC-B16-I-TPT-M - 1423019

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Contact insert, Size: B16, Number of positions: 16+PE, Male connector, Push-in connection, Number of connections per position: 2, 500 V, 10 A, 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, Application: Power

## Why buy this product

- For fast coding with plastic profile
- Significant time savings during conductor connection

## Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4055626322728

## Technical data

### General

Note	For HEAVYCON housing B16 and B32
Connection method	Push-in connection
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
Conductor cross section	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Connection cross section AWG	26 ... 16 (with ferrule)
Stripping length of the individual wire	8 mm ±1 mm
Assembly instructions	Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
Connection	Connectors may only be actuated when there is no load/voltage.

### Ambient conditions

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

### Electrical characteristics

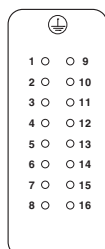
Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	10 A

### Standards and Regulations

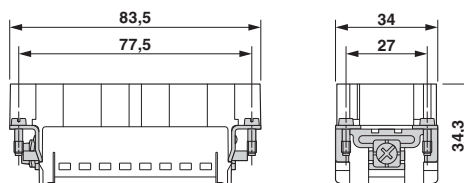
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Flammability rating according to UL 94	V0

## Drawings

Schematic diagram

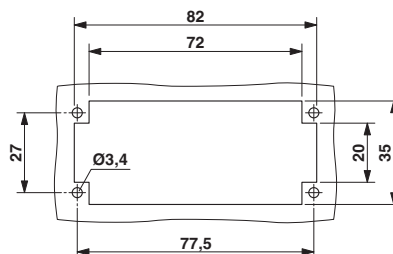


Dimensional drawing



Connector pin assignment, connection side

Dimensional drawing



Mounting cutout when used without housing

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## Approvals

### Approvals

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#### Approvals


EAC / CSA / UL Recognized


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#### Ex Approvals

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### Approval details

EAC		EAC-Zulassung
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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
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		11 A	
Nominal voltage U <sub>N</sub>		600 V	

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
mm <sup>2</sup> /AWG/kcmil		16	
Nominal current I <sub>N</sub>		14 A	
Nominal voltage U <sub>N</sub>		600 V	

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>