

## Contact insert - HC-A 16-EBUC-32 - 1677050


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HEAVYCON female insert, A16 series, 16-pos., crimp connection, numbering from 17 ... 32



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 129675
Weight per Piece (excluding packing)	43.02 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Note	For HC-D25 / HC-D50 housing, crimp contact CK2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Type	D25

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## Technical data

### General

Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	8 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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### Material data

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

### Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	16 A

### Standards and Regulations

Order No.	1677050
Product key	BF7ABB
Connection in acc. with standard	IEC / EN
	CSA
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424

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## Classifications

### eCl@ss

eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

### ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	20-13

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## Approvals

Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized	
Nominal voltage U <sub>N</sub>	600 V

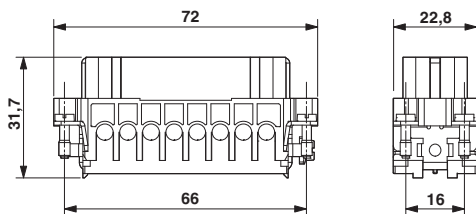
cUL Recognized	
Nominal voltage U <sub>N</sub>	600 V

EAC	
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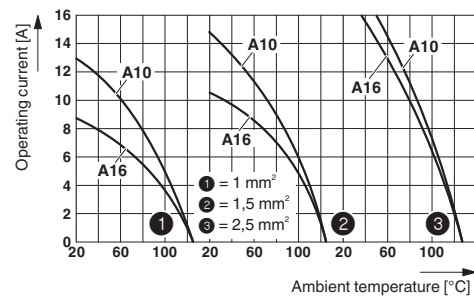
cULus Recognized	
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## Drawings

Dimensional drawing



Diagram

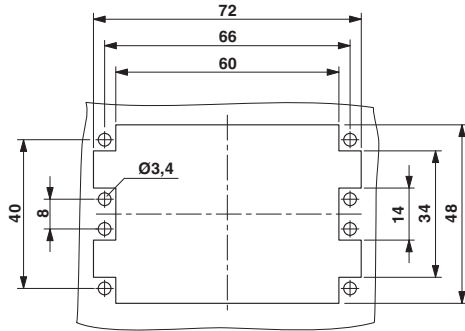


Female insert

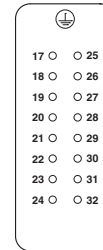
Derating diagram: HC-A...C series

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Dimensional drawing



Schematic diagram



Connector pin assignment, connection side

Panel cutout