



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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 - HC-QA-B 16-BU/PER - 1678897

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HEAVYCON terminal adapter female insert, B16 series, 16-pos., protective conductor connection on the right for the left side of the control cabinet, QUICKON connection; contact inserts with screw, crimp, Push-in and QUICKON connection can be used as mating connectors.



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	131.3 GRM
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Terminal adapter width	59.3 mm
Height	34 mm

#### Ambient conditions

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

Note	For HEAVYCON ADVANCE panel mounting flange and HEAVYCON panel mounting base of type B16. Contact inserts with screw, crimp, and QUICKON connections can be used as mating connectors. Connectors may be operated only when there is no load/voltage.
Number of positions	16
Connection in acc. with standard	IEC / EN
Rated surge voltage	4 kV
Rated current	16 A

#### Mechanical characteristics

Design	B16
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## Technical data

### Mechanical characteristics

Connection method	QUICKON connection
Conductor cross section	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 16

### General

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA / PC
Pollution degree	3
Surge voltage category	III
Inflammability class according to UL 94	V0
Connection in acc. with standard	IEC / EN
Assembly instructions	Cannot be used for mating connectors with spring-cage and Push-in connections. If the conductor contacts again, it must be cut off above the last contact point.

## Classifications

### eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

### ETIM

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

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

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## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted


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### Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	18-14
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	600 V

cUL Recognized 	
mm <sup>2</sup> /AWG/kcmil	18-14
Nominal current I <sub>N</sub>	9 A
Nominal voltage U <sub>N</sub>	600 V

GOST 
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cULus Recognized 
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## Contact insert - HC-QA-B 16-BU/PER - 1678897

### Accessories

#### Accessories

#### Assembly tool

Levering tool - Q-LEVER - 1679728



QUICKON lever tool, with angled head for confined spaces

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#### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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#### Mounting material

Foot element - HC-KA-FE - 1775240



Foot element, for mounting on DIN rail NS 32, DIN rail NS 35/7.5 or DIN rail NS 35/15, can be inserted between basic and side element

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Locking screw barrel - HC-VSH - 1660083



Locking screw barrel, for a firm connection of contact inserts and DIN-rail mountable terminal adapters

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#### Screwdriver tools



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## Accessories

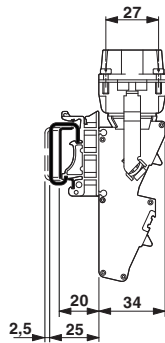
Screwdriver - SZF 1-0,6X3,5 - 1204517



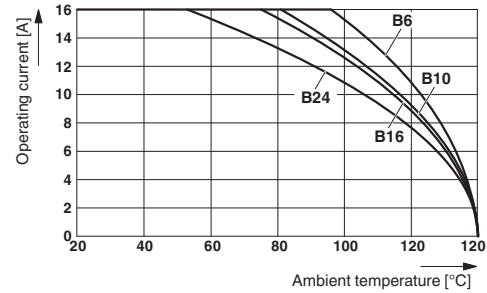
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Drawings

Dimensioned drawing



Diagram



## Contact insert - HC-QA-B 16-BU/PER - 1678897

Dimensioned drawing

