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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.

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## Contact insert - HC-B 16-I-UT-F-32 - 1584884

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HEAVYCON female insert, B16 series, 16-pos., 17 ... 32 color print, screw connection. PE connection using tension sleeve technology.

### Product Features

- For fast coding with plastic profile
- PE connection using tension sleeve technology



### Key commercial data

Packing unit	1 PCE
Catalog page	Page 513 (PC-2011)
GTIN	 4 046356 156097
Custom tariff number	85366990
Country of origin	CHINA

### Technical data

#### General data

Note	For HEAVYCON-ADVANCE of B16 type and HEAVYCON housing of B16/ B32 type Plug-in connections may only be operated only when there is no load/voltage.
Connection method	Screw connection
Tightening torque	0.5 Nm ... 0.8 Nm
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN EN 61984
Constructional and testing regulations	DIN EN 60664
Constructional and testing regulations	IEC 60352

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## Technical data

### General data

Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	8 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.

### Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA

### Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

## Classifications

### ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

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

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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## Classifications

### eCl@ss

eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209

## Approvals

### Approvals


#### Approvals


CSA / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	22-14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	22-14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

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## Approvals

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	22-14
Nominal current I <sub>N</sub>	13 A
Nominal voltage U <sub>N</sub>	600 V

cULus Recognized	
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## Accessories

### Accessories

#### Plug/Adapter

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

Mounting material - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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### Accessories

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 plug-in connectors

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Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six plug-in connectors with an identical number of positions

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Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

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Strain relief - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 plug-in connectors

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## Contact insert - HC-B 16-I-UT-F-32 - 1584884

### Accessories

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

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Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973



HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

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Adapter plate - HC-B 24-ADP-B 16-GY - 1660449



HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray

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Docking frames - HC-B 16-ANDOCK - 1586138



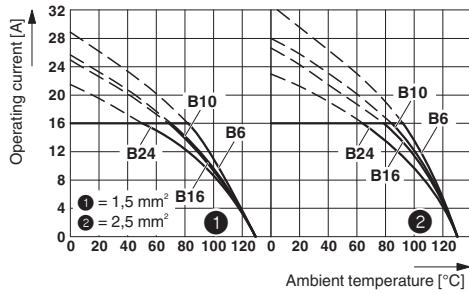
Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

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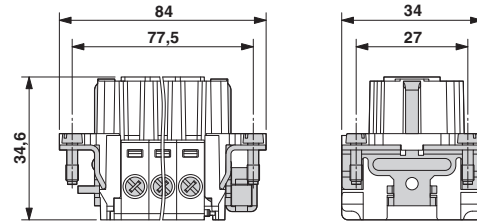
### Drawings

# Contact insert - HC-B 16-I-UT-F-32 - 1584884

Diagram



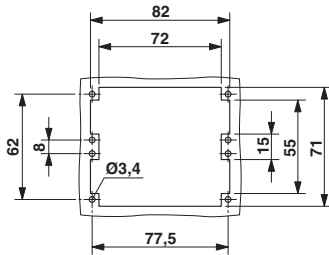
Dimensioned drawing



Female insert

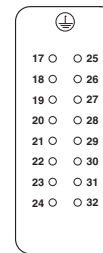
Derating diagram

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side