

# Contact insert - HC-B 10-I-UT-M - 1648173

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HEAVYCON male insert, B10 series, 10-pos., screw connection

## Why buy this product

- For fast coding with plastic profile



## Key commercial data

Packing unit	10 pc
GTIN	 4 046356 092296
Weight per Piece (excluding packing)	71.08 g
Custom tariff number	85366990
Country of origin	China

## Technical data

### General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B10 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
Screwdriver blade	0.5 x 3.5 mm
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Type	B10
Connection in acc. with standard	IEC / EN

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## Technical data

### General

Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Applies to stranded conductors with ferrules)
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	For housings of type B10. Connectors may only be actuated 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

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

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205

### ETIM

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

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## Classifications

### UNSPSC

UNSPSC 13.2	39121522
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## Approvals

### Approvals

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CSA / UL Recognized / cUL Recognized / EAC / 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

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

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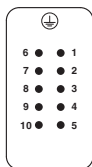
## Approvals

EAC

cULus Recognized

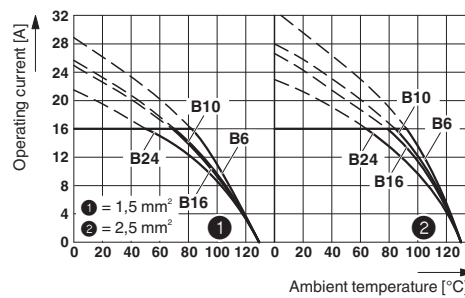
## Drawings

Schematic diagram



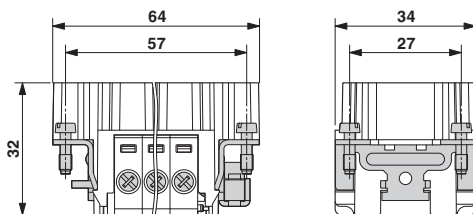
Connector pin assignment, connection side

Diagram



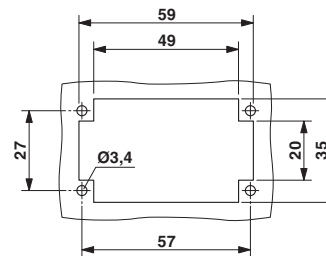
Derating diagram

Dimensioned drawing



Male insert

Dimensioned drawing



Mounting cutout when used without housing