

# Contact insert - HC-B 24-ESTZZ - 1605255

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



HEAVYCON male insert, B24 series, 24-pos., 2 spring-cage connections per contact



## Key commercial data

Packing unit	1 pc
GTIN	 4 017918 924102
Weight per Piece (excluding packing)	169.5 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### General

Note	For housing HC-B24
Connection method	Spring-cage connection
Pollution degree	3
Surge voltage category	III
Number of positions	24+PE
Insertion/withdrawal cycles	≥ 500
Type	B24
Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	10 mm ±1 mm
Assembly instructions	For housing h ≥ 72 mm. Connectors may be operated only when there is no load/voltage.
Connection	For housings of type B16/B32. 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)
---------------------------------	--

# Contact insert - HC-B 24-ESTZZ - 1605255

## Technical data

### Material data

Inflammability class according to UL 94	V0
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	16 A

## 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	27440205

### 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

## Approvals

### Approvals

---

Approvals

UL Recognized / EAC

---

## Contact insert - HC-B 24-ESTZZ - 1605255

### Approvals


Ex Approvals

---

Approvals submitted

---

### Approval details

UL Recognized 

EAC

### Accessories

Accessories

Coding element

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

---

Coding bolt - HC-CB - 1772722



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

---

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

---

Docking frame

## Contact insert - HC-B 24-ESTZZ - 1605255

### Accessories

Docking frames - HC-B 24-ANDOCK - 1586141



Docking frame for racks, for contact inserts of B24 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm

---

### Mounting material

Screw - HC-B-PES - 1604997



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

---

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

---

Strain relief clamp - HC-B-ZS - 1685330



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

---

### Plug assembly frame

Connector assembly frame - HC-SMR-B24 - 1687985



HEAVYCON connector assembly frame, for contact inserts of type B24

---

### Plug mounting plate

# Contact insert - HC-B 24-ESTZZ - 1605255

## Accessories

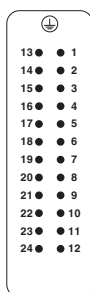
Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944



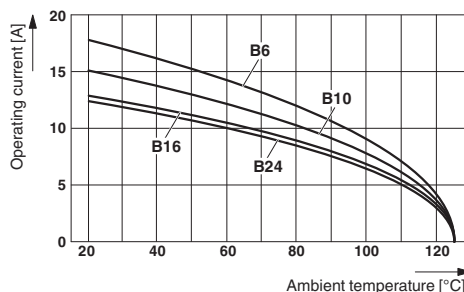
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24, 150 mm long

## Drawings

Schematic diagram



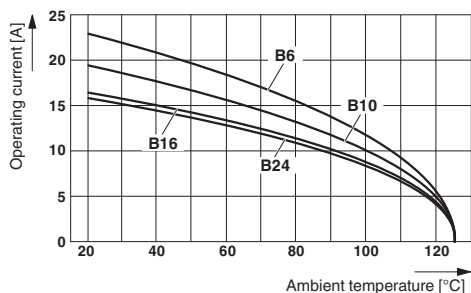
Diagram



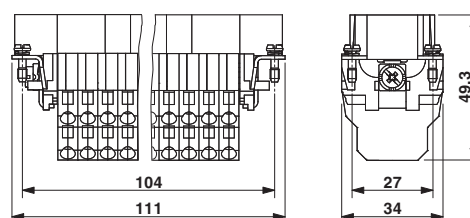
Connector pin assignment, connection side

The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 1.5 mm²

Diagram



Dimensioned drawing

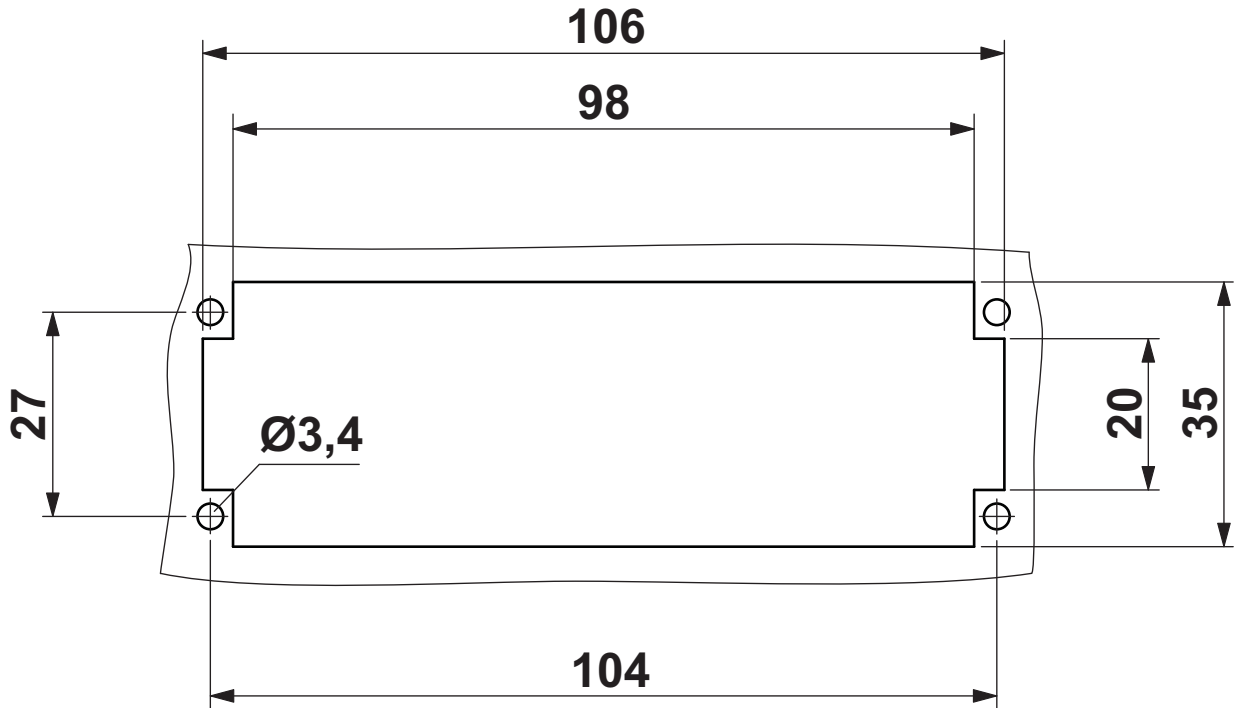


Male contact insert

The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm²

# Contact insert - HC-B 24-ESTZZ - 1605255

Dimensioned drawing



Panel cutout