

# HC-HS 6-EBUS - Contact insert



1773132

<https://www.phoenixcontact.com/in/products/1773132>

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 documentation. Our general terms of use for downloads are valid.

HEAVYCON female insert, HS6 series, 6-pos., screw connection



## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1773132                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF7                            |
| Product key                          | BF7ABI                         |
| Catalog page                         | Page 459 (C-4-2013)            |
| GTIN                                 | 4017918037642                  |
| Weight per piece (including packing) | 106.81 g                       |
| Weight per piece (excluding packing) | 103.12 g                       |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# HC-HS 6-EBUS - Contact insert

1773132

<https://www.phoenixcontact.com/in/products/1773132>

## Technical data

### Notes

|         |                    |
|---------|--------------------|
| General | For housing HC-B16 |
|---------|--------------------|

### Mounting

|               |                                                                |
|---------------|----------------------------------------------------------------|
| Assembly note | Connectors may be operated only when there is no load/voltage. |
|---------------|----------------------------------------------------------------|


### Product properties

|                     |                                              |
|---------------------|----------------------------------------------|
| Product type        | Contact insert with a fixed no. of positions |
| Series              | HC-HS                                        |
| Type                | B16<br>B32                                   |
| Number of positions | 6                                            |
| Connection profile  | 6+PE                                         |
| Contact numbering   | 1 - 6                                        |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Dimensions

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Width                           | 34 mm                                                                                |
| Height                          | 33 mm                                                                                |
| Length                          | 84.5 mm                                                                              |
| Drill hole distance, horizontal | 77.5 mm                                                                              |

### Connection data

#### Connection technology

|                                  |                  |
|----------------------------------|------------------|
| Connection technology            | Screw connection |
| Connection in acc. with standard | IEC / EN         |

#### Conductor connection

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Conductor cross section                 | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| Connection cross section AWG            | 20 ... 10                                 |
| Tightening torque                       | 1.2 Nm                                    |
| Stripping length of the individual wire | 10 mm                                     |

### Electrical properties

# HC-HS 6-EBUS - Contact insert



1773132

<https://www.phoenixcontact.com/in/products/1773132>

|                                  |           |
|----------------------------------|-----------|
| Rated voltage (III/3)            | 500 V     |
| Rated voltage for power contacts | 400/690 V |
| Rated surge voltage              | 6 kV      |
| Rated current                    | 35 A      |

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Flammability rating according to UL 94 | V0           |
| Contact material                       | Copper alloy |
| Contact surface material               | Ag           |
| Contact carrier material               | PA           |

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

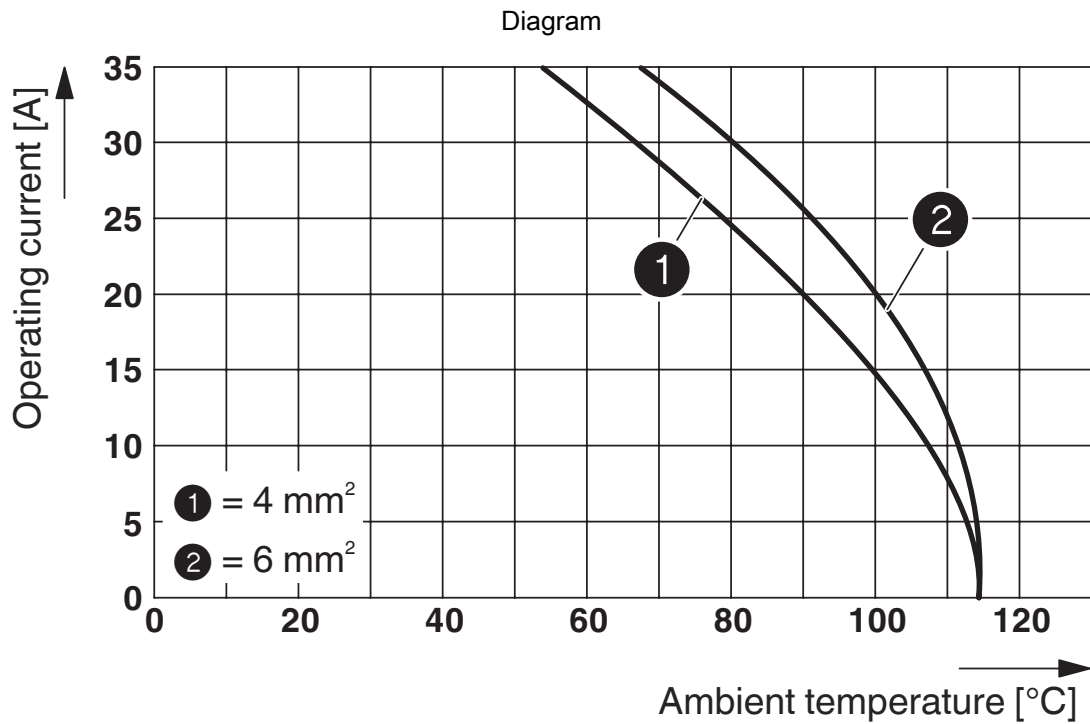
|                                        |                            |
|----------------------------------------|----------------------------|
| Constructional and testing regulations | DIN VDE 0627/86            |
|                                        | DIN VDE 0110/02.79         |
|                                        | DIN VDE 0110-1/04.97       |
|                                        | IEC 60664-1, DIN IEC 60512 |
| Tests                                  | DIN VDE 0627/86            |
|                                        | DIN VDE 0110/02.79         |
|                                        | DIN VDE 0110-1/04.97       |
|                                        | IEC 60664-1, DIN IEC 60512 |

# HC-HS 6-EBUS - Contact insert

1773132

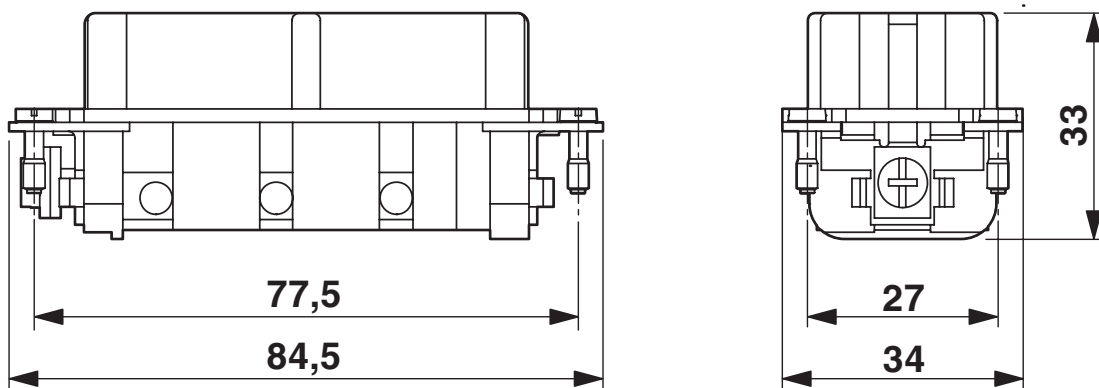
<https://www.phoenixcontact.com/in/products/1773132>

## Drawings



Derating diagram: HC-HS...S series

## Dimensional drawing



Female insert

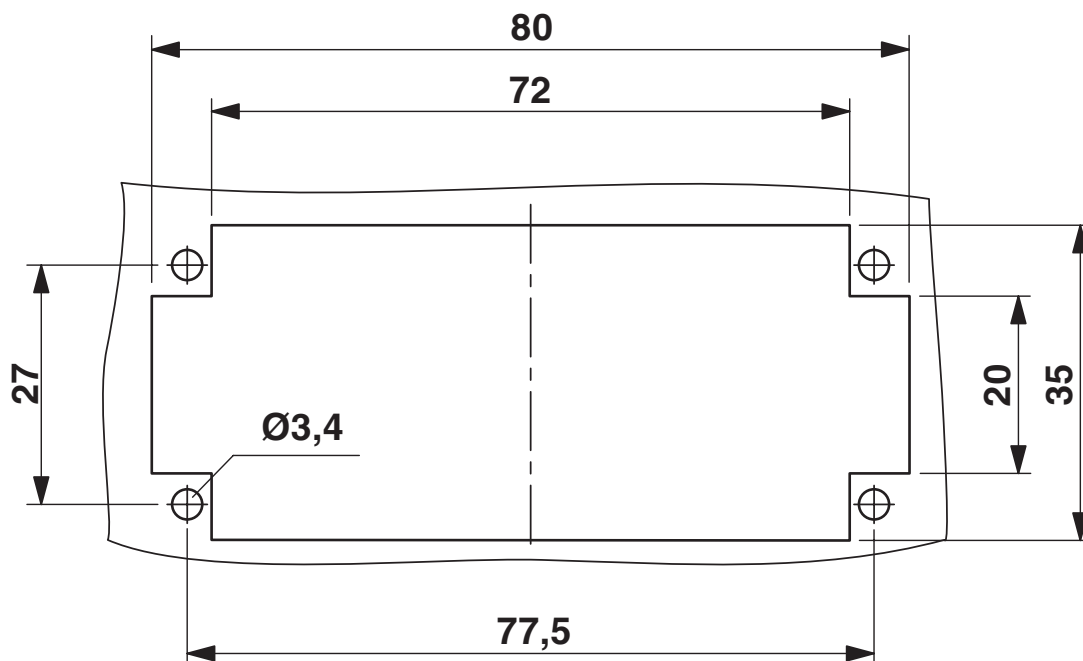
# HC-HS 6-EBUS - Contact insert



1773132

<https://www.phoenixcontact.com/in/products/1773132>

Dimensional drawing



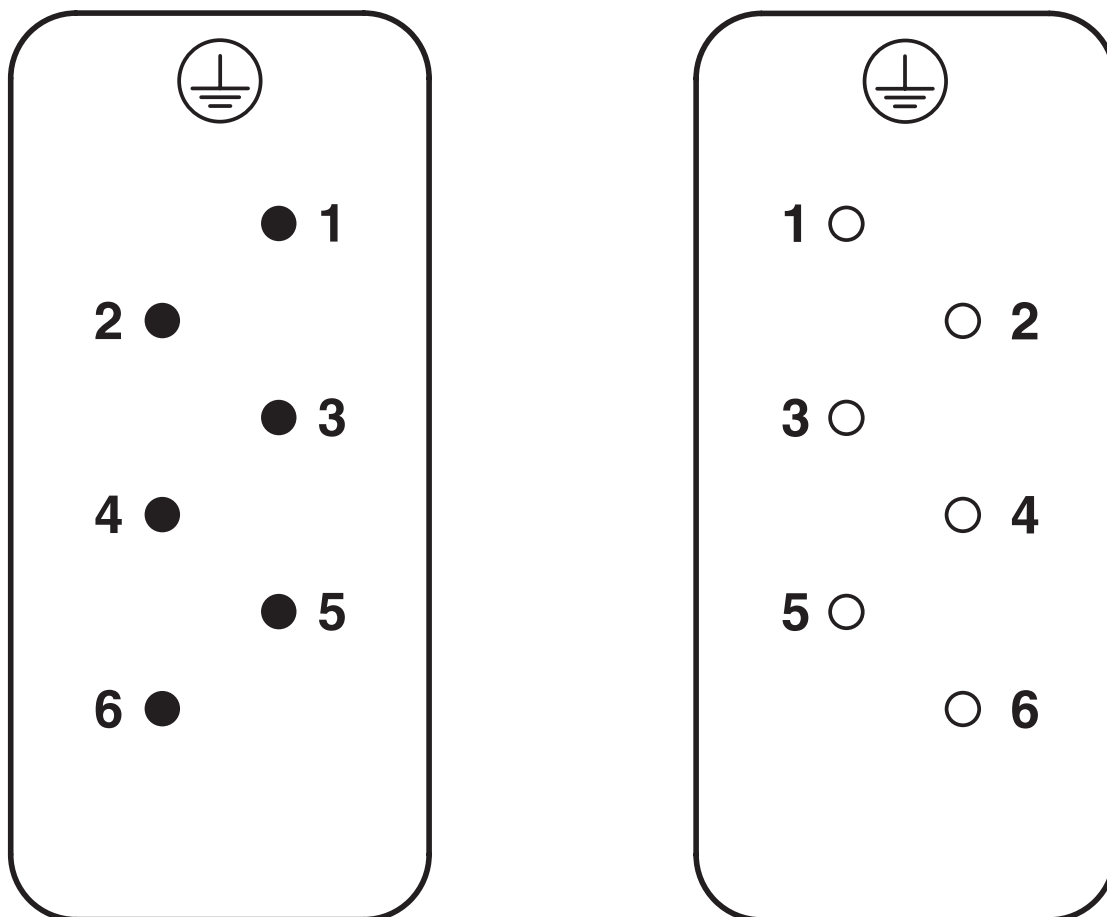
Mounting cutout

# HC-HS 6-EBUS - Contact insert

1773132

<https://www.phoenixcontact.com/in/products/1773132>

## Schematic diagram



Connector pin assignment, connection side

# HC-HS 6-EBUS - Contact insert



1773132

<https://www.phoenixcontact.com/in/products/1773132>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440205 |
| ECLASS-13.0 | 27440205 |

# HC-HS 6-EBUS - Contact insert



1773132

<https://www.phoenixcontact.com/in/products/1773132>

## Environmental product compliance

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)