

HC-BB32-I-CT-F 33-64 - Contact insert



1406543

<https://www.phoenixcontact.com/us/products/1406543>

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Contact insert, number of positions: 32+PE, size: B16, Socket, Crimp connection, 500 V, 16 A, 0.5 mm² ... 4 mm², application: Power

Your advantages

- For fast coding with plastic profile (Order No. 1410916, type CP-HC-S)

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1406543 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF61 |
| Product key | BF7ABD |
| Catalog page | Page 555 (C-2-2019) |
| GTIN | 4046356926317 |
| Weight per piece (including packing) | 69.5 g |
| Weight per piece (excluding packing) | 65 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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Technical data

Notes

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

Mounting

| | |
|-----------------------|---|
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
|-----------------------|---|

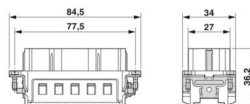
Product properties

| | |
|-----------------------|--|
| Type | B16 B32 |
| Product type | Contact insert with a fixed no. of positions |
| Number of positions | 32 |
| Connection profile | 32+PE |
| Contact numbering | 33 - 64 |
| Application | Power |
| Contact material type | turned |
| Series | HC-BB |

Insulation characteristics

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

Dimensions

| | |
|---------------------------------|--|
| Dimensional drawing |  |
| Width | 34 mm |
| Height | 32.5 mm |
| Length | 84.5 mm |
| Drill hole distance, horizontal | 77.5 mm |
| Drill hole distance, vertical | 27 mm |

Mechanical characteristics

| | |
|------------------------|--------|
| Minimum housing height | 72 mm |
| Contact diameter | 2.5 mm |

Connection data

Connection technology

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

Conductor connection

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| | |
|---|--|
| Conductor cross section | 0.5 mm ² ... 4 mm ² |
| Connection cross section AWG | 20 ... 12 |
| Tightening torque | 0.8 Nm ... 1.2 Nm (PE connection) |
| | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Stripping length of the individual wire | 7.5 mm |

Electrical properties

| | |
|-----------------------|-----------------------|
| Rated voltage (III/3) | 500 V |
| Rated surge voltage | 6 kV |
| Rated current | 16 A (power contacts) |

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 (alternatively Au) |
| Contact carrier material | PC |
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Testing

| | |
|-----------------------|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|---|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440205 |
| ECLASS-12.0 | 27440205 |
| ECLASS-13.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000438 |
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UNSPSC

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| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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