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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-CT-F-32 - 1584923

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HEAVYCON female insert, B16 series, 16-pos., 17 ... 32 color print, crimp 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 1 |
| Weight per Piece (excluding packing) | 74.12 GRM |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|--|---|
| Note | For HEAVYCON ADVANCE housing of B16 type and HEAVYCON housing of B16/B32 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply). |
| Connection method | Crimp connection |
| Pollution degree | 3 |
| Surge voltage category | III |
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Number of positions | 16+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B16 |
| Connection in acc. with standard | IEC / EN |

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Technical data

General

| | |
|---|--|
| Conductor cross section | 0.5 mm² ... 4 mm² |
| Connection cross section AWG | 20 ... 12 |
| Stripping length of the individual wire | 7.5 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 housing design B16. Connectors may only be inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted. |

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
| Degree of protection | IP20 |

Material data

| | |
|---|-----------------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| 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 | 27440209 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |

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Classifications

UNSPSC

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

Approvals

Approvals


Approvals


CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted


Approval details


| | |
|---|-------|
| CSA  | |
| mm²/AWG/kcmil | 20-12 |
| Nominal current I _N | 20 A |
| Nominal voltage U _N | 600 V |

| | |
|---|-------|
| UL Recognized  | |
| mm²/AWG/kcmil | 22-14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

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Approvals

| | |
|--|-------|
| cUL Recognized  | |
| mm²/AWG/kcmil | 22-14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

| | |
|--|--|
| cULus Recognized  | |
|--|--|

Accessories

Accessories

Adapter plate

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



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

Assembly tool

Removal tool - CK2,5-EWZ - 1662722



Contact removal tool, for turned CK 2,5... contacts

Coding element

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Accessories

Coding profile - CP-HC - 1686478



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

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

Dummy socket - CK2,5-ED-BB - 1584693



Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB../HC-M... series contact inserts.

Crimp contact

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Accessories

Crimp contact - CK2,5-ED-0,50BU AG - 1663640



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK2,5-ED-0,75BU AG - 1663653



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00BU AG - 1663666



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50BU AG - 1663679



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50BU AG - 1663682



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Accessories

Crimp contact - CK2,5-ED-3,00BU AG - 1663695



Turned 2.5 crimp contact, individual female contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00BU AG - 1663705



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK2,5-ED-0,50BU AU - 1674859



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00BU AU - 1674833



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50BU AU - 1674820



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

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Accessories

Crimp contact - CK2,5-ED-2,50BU AU - 1674862



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

Crimp contact - CK2,5-ED-4,00BU AU - 1674846



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², gold-plated

Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

Docking frame

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

Mounting material

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Accessories

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

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-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

Contact insert - HC-B 16-I-CT-F-32 - 1584923

Accessories

Plug mounting plate

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

- CK2,5-ED-0,37BU AG - 1585634

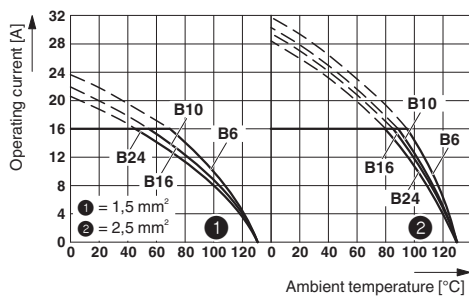


- CK2,5-ED-0,37BU AU - 1585647



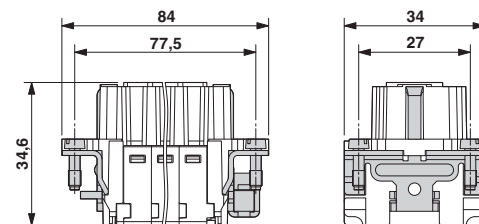
Drawings

Diagram



Derating diagram

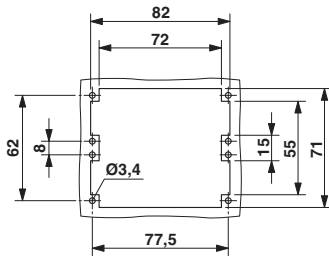
Dimensioned drawing



Female insert

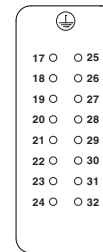
Contact insert - HC-B 16-I-CT-F-32 - 1584923

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side