

Contact insert - HC-B 16-EBUQ-2,5-32 - 1605598

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HEAVYCON female insert, B16 series, 16-pos., QUICKON-connection, numbering 17 - 32



Product description

With the QUICKON connection method, the wires are connected with a simple levering action of the screwdriver. The wire does not need to be stripped before connection! This saves at least 60% connection time!



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 PCE |
| Weight per Piece (excluding packing) | 96.41 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

General

| | |
|------------------------------------|--|
| Note | For HEAVYCON-ADVANCE housing of B16 type and HEAVYCON housing of B16/B32 type. Encoding using coding profile CP-HC (1686478). HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for four coding profiles. Connectors may only be actuated when there is no load/voltage. |
| Connection method | QUICKON connection |
| Pollution degree | 3 |
| Surge voltage category | III |
| Number of positions | 16+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Design | B16 |
| Conductor cross section | 0.34 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 22 ... 14 |
| Wire diameter including insulation | 1 mm ... 3.5 mm |

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Technical data

General

| | |
|---|--|
| Frequency of connections between conductors of the same cross section | 10 |
| Assembly instructions | If the conductor is to be reconnected, it must be cut off above the last contact point. |
| 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) |
| Ambient temperature (assembly) | -25 °C ... 50 °C |

Material data

| | |
|---|--------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PA |
| Material wire insulation | PVC / PE |

Electrical characteristics

| | |
|-----------------------|-------|
| Rated voltage (III/3) | 400 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 | 27440209 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000437 |
| ETIM 3.0 | EC000437 |
| 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  | |
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 600 V |

| | |
|---|-------|
| UL Recognized  | |
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 10 A |
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Approvals

| | |
|--------------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 16 |
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 600 V |

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

Accessories

Accessories

Coding element

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-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Accessories

Coding bolt - HC-CB - 1772722



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

Mounting material

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

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Accessories

Plug assembly frame

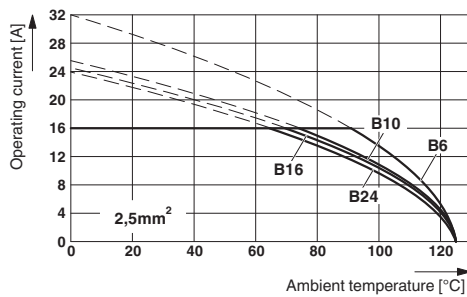
Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

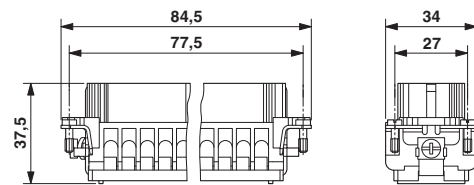
Drawings

Diagram



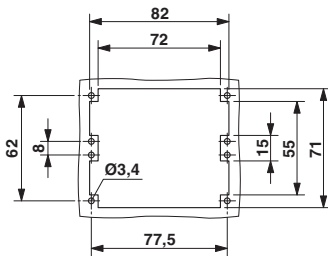
Derating diagram

Dimensioned drawing



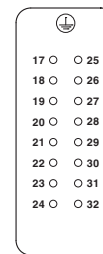
Female insert

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side