

Contact insert - HC-B 16-I-UT-M-32 - 1584871

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HEAVYCON male insert, B16 series, 16-pos., 17 ... 32 printed, screw connection

Your advantages

- ✔ For fast coding with plastic profile
- ✔ For test pin 2 mm

Key Commercial Data

| | |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc |
| GTIN |  4 046356 156080 |
| GTIN | 4046356156080 |
| Weight per Piece (excluding packing) | 83.600 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

Technical data

General

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note | For HEAVYCON-ADVANCE of B16 type and HEAVYCON housing of B16/B32 type Plug-in connections may only be operated only when there is no load/voltage. Connectors may be operated only when there is no load/voltage. |
| Connection method | Screw connection |
| Tightening torque | 0.5 Nm ... 0.8 Nm |
| Screwdriver blade | 0.5 x 3.5 mm |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Number of positions | 16+PE |
| Insertion/withdrawal cycles | ≥ 500 |
| Size | B16 |

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Technical data

General

| | |
|-----------------------------------------|--------------------------------------------------------------------------------------------|
| Contact numbering | 17 - 32 |
| Conductor cross section | 0.5 mm ² ... 2.5 mm ² (applies to stranded conductors with ferrules) |
| Connection cross section AWG | 20 ... 14 |
| Stripping length of the individual wire | 8 mm |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| Connection | 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) |
|---------------------------------|------------------------------------------------------|

Material data

| | |
|--------------------------|--------------|
| 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 | 20 A |

Standards and Regulations

| | |
|----------------------------------------|--------------|
| Connection in acc. with standard | CSA |
| Constructional and testing regulations | DIN EN 61984 |
| | DIN EN 60664 |
| | IEC 60352 |
| Flammability rating according to UL 94 | V0 |

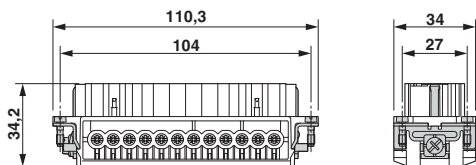
Environmental Product Compliance

| | |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

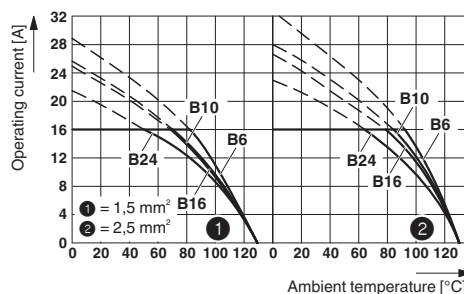
Contact insert - HC-B 16-I-UT-M-32 - 1584871

Dimensional drawing



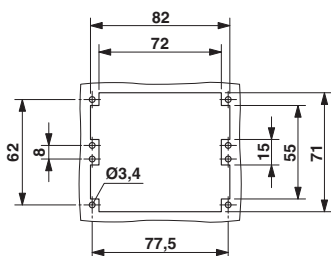
Male insert

Diagram



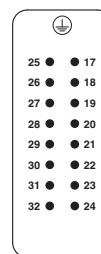
Derating diagram

Dimensional drawing



Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27143424 |
| eCl@ss 5.1 | 27261200 |
| eCl@ss 6.0 | 27261200 |
| eCl@ss 7.0 | 27440205 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440205 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | EC000438 |
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

UNSPSC

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

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 12.01 | 39121522 |
| UNSPSC 13.2 | 39121522 |

Approvals


Approvals

Approvals


CSA / GL / UL Recognized / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 013631_6233_01 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 13 A | |
| mm ² /AWG/kcmil | | 22-14 | |

| | | | |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|
| GL |  | http://exchange.dnv.com/tari/ | 6196614 HH |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|

| | | | |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 16 A | |
| mm ² /AWG/kcmil | | 14 | |

| | | |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

Accessories

Accessories

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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

Coding element

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

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

DIN rail mounting frame

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Accessories

DIN rail mounting frame - HC-SMR-B16 - 1687972



HEAVYCON DIN rail mounting frame, for contact inserts of type B16

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

Screw - 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

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Accessories

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