

Contact insert - HC-HV06-I-PT-M - 1407740

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HEAVYCON pin insert, HV6 series, 6-pos. + 2 switching contacts + PE, 830 V, push-in connection

Why buy this product

- For fast coding with plastic profile
- Conductor connection without tools
- Significant time savings during conductor connection
- Test connection for 2 mm test plug



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 777452 |
| Weight per Piece (excluding packing) | 22.22 g |
| Custom tariff number | 85389099 |
| Country of origin | China |

Technical data

General

| | |
|-----------------------------|---|
| Connection method | Push-in connection (power contacts) |
| | Push-in connection (control contacts) |
| Pollution degree | 3 |
| Surge voltage category | III |
| Number of positions | 6+2+PE |
| No. of power contacts | 6 |
| No. of control contacts | 2 |
| Insertion/withdrawal cycles | ≥ 500 |
| Type | B16 |
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² (power contacts) |
| | 0.14 mm ² ... 2.5 mm ² (control contacts) |

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Technical data

General

| | |
|------------------------------|---|
| Connection cross section AWG | 26 ... 14 (power contacts) |
| | 26 ... 14 (control contacts) |
| Stripping length | 8 mm ... 10 mm (power contacts) |
| | 8 mm ... 10 mm (control contacts) |
| 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 | Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule. |

Ambient conditions

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

Material data

| | |
|--|--------------|
| Inflammability class according to UL 94 | V0 |
| Contact material | Copper alloy |
| Material of contact surface, power contact | Ag |
| Material of contact surface, control contact | Ag |
| Contact carrier material | PA |

Electrical characteristics

| | |
|-----------------------|--------------------------|
| Rated voltage (III/3) | 830 V (power contacts) |
| | 500 V (control contacts) |
| Rated surge voltage | 8 kV (power contacts) |
| | 6 kV (control contacts) |
| Rated current | 16 A (power contacts) |
| | 16 A (control contacts) |

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 | 27440205 |

ETIM

| | |
|----------|----------|
| 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 / EAC

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|-------|
| CSA | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 800 V |

| | |
|--------------------------------|-------|
| UL Recognized | |
| mm ² /AWG/kcmil | 14 |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 800 V |

| |
|-----|
| EAC |
|-----|

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Accessories

Accessories

Coding element

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

Coding bolt - HC-CB - 1772722



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

Coding profile - CP-HC - 1686478



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

Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

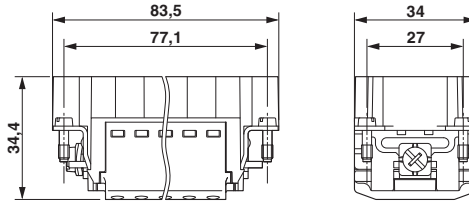
Drawings

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Diagram

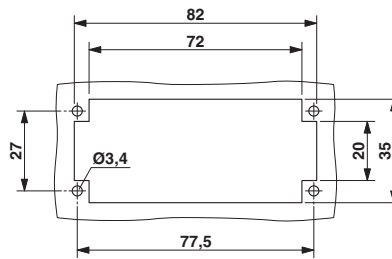
Dimensioned drawing

Derating diagram for 2.5 mm²



Dimensional drawing

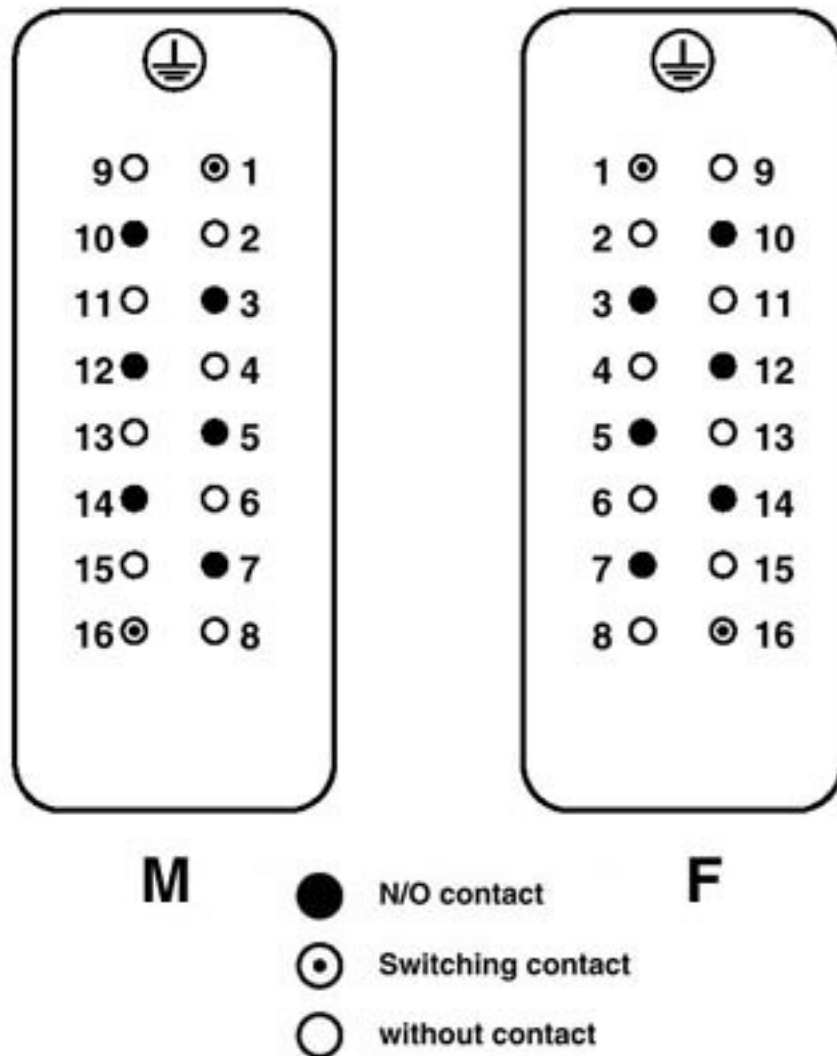
Dimensioned drawing



Panel cutout

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Schematic diagram



View termination side