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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 module - HC-M-02-HS-70/16-MOD-BU - 1585715


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HEAVYCON contact insert module, socket, 2-pos. to 70 A, 16 mm² axial screw connection



Key commercial data

| | |
|----------------------|--|
| Packing unit | 1 PCE |
| GTIN |  4 046356 308212 |
| Custom tariff number | 85389099 |
| Country of origin | GERMANY |

Technical data

Electrical characteristics

| | |
|---------------------------------|---|
| Note | for housing HC-B6 to B48, for housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR... necessary, axial screw connection for 2.5 mm Allen wrench: |
| Rated voltage (III/3) | 1000 V |
| Rated current | 70 A |
| Rated surge voltage | 8 kV |
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Number of positions | 2 |

Mechanical characteristics

| | |
|---|--|
| Conductor cross section | 6 mm ² ... 16 mm ² |
| Connection cross section AWG | 8 ... 6 |
| Stripping length of the individual wire | 11 mm +1 |
| Tightening torque | 2 Nm (6 mm ²) |
| Tightening torque | 3 Nm (10 mm ²) |

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Technical data

Mechanical characteristics

| | |
|------------------------------------|----------------------------|
| Tightening torque | 4 Nm (16 mm ²) |
| Wire diameter including insulation | 8.9 mm |
| Hexagonal socket | SW2,5 |
| Insertion/withdrawal cycles | ≥ 500 |

General characteristics

| | |
|---|--|
| Series | HC-M-HS |
| Number of module slots | 1 |
| Connection method | Axial screw connection |
| Inflammability class according to UL 94 | V0 |
| Pollution degree | 3 |
| Surge voltage category | III |
| Assembly instructions | Use 2.5 mm Allen wrenches for axial connection. Only for stranded wires. For housing heights $h \geq 52$ mm. Plug-in connections may only be operated only when there is no load/voltage. |
| Connection | <p>Note regarding axial connection technology: Only for stranded wires. The conductor cross sections stated refer to the geometric cross section of the cable used. Use of cables with a geometric cross section very different from that of the cable's nominal cross section should be checked before use. The wiring space of the axial screw method is designed for fine strand cables according to VDE 0295 class 5. Deviating cable structures (e.g. class 6 cables) should be checked before use.</p> <p>Connection Before starting to connect, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted. The cores should be slid to the limit stop in the contact chamber (until insulation touches contact). Hold cores in position and use socket wrench to tighten. The used core end should be cut off before connecting again. The connection screw may only be retightened once to prevent the strands from breaking. To prevent damage to the contact, the core / cable should be mechanically intercepted at an appropriate distance from the connection point (e.g. by using a plate cutout). DIN VDE 0100-520:2003-06 contains information on how to do this correctly.</p> |

Material data

| | |
|--------------------------|--------------|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |

Classifications

ETIM

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

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC000438 |
|----------|----------|

UNSPSC

| | |
|---------------|----------|
| UNSPSC 11 | 43172601 |
| UNSPSC 12.01 | 39121408 |
| UNSPSC 13.2 | 39121408 |
| UNSPSC 6.01 | 43172601 |
| UNSPSC 7.0901 | 39121416 |

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 |

Approvals

Approvals

Approvals

UL Recognized / GOST

Ex Approvals

Approvals submitted

Approval details

| | |
|--------------------------------|------|
| UL Recognized | |
| mm ² /AWG/kcmil | 4 |
| Nominal current I _N | 70 A |

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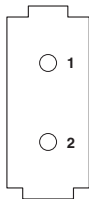
Approvals

| | |
|--------------------|-------|
| Nominal voltage UN | 600 V |
|--------------------|-------|

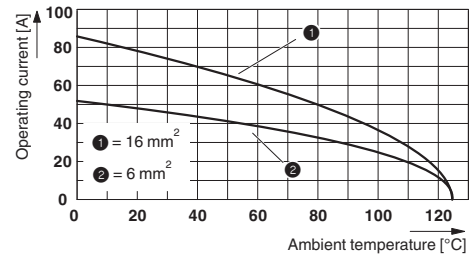


Drawings

Schematic diagram



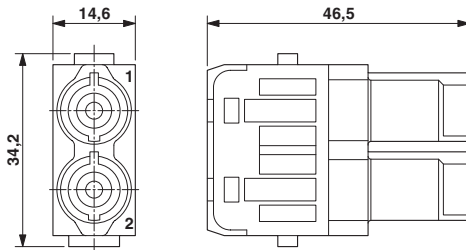
Diagram



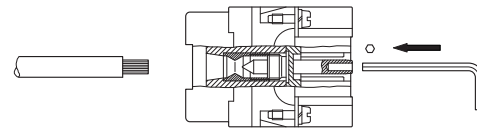
Connector pin assignment, connection side

Derating diagram (6 modules in HC-B 24 housing)

Dimensioned drawing



Schematic diagram



Axial screw connection

Socket module