

Contact insert module - HC-M-02-HS-70/16-MOD-ST - 1585702

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

Product Features

- Plug module is shock proof



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 2 pc |
| Weight per Piece (excluding packing) | 33.09 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Electrical characteristics

| | |
|-----------------------|---|
| Note | For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, axial connection for 2.5 mm Allen key |
| Rated voltage (III/3) | 1000 V |
| Rated current | 70 A |
| Rated surge voltage | 8 kV |
| Number of positions | 2 |

Ambient conditions

| | |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 125 °C |
|---------------------------------|-------------------|

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 |

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Mechanical characteristics

| | |
|------------------------------------|----------------------------|
| Tightening torque | 2 Nm (6 mm ²) |
| | 3 Nm (10 mm ²) |
| | 4 Nm (16 mm ²) |
| Wire diameter including insulation | 8.9 mm |
| Hexagonal socket | SW2,5 |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 72 mm |

General

| | |
|--|--|
| Series | HC-M-HS |
| Number of module slots | 1 |
| Connection method | Axial screw connection |
| Flammability rating according to UL 94 | V0 |
| Degree of pollution | 3 |
| Overvoltage 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 specified conductor cross sections refer to the geometric cross section of the cable used. Cables with a geometric cross section which deviates significantly from the nominal cable cross section must be checked before use. The axial connection technology connection space is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) must be checked before use.</p> <p>Assembly instructions Before assembly, ensure that the tapered screw is fully loosened (chamber is open). Cables must not be twisted. The wires must be pushed into the contact chamber as far as they will go (until the insulation touches the contact). Hold the wires in position and tighten using an Allen key. The used wire end must be cut off before reconnection. The terminal screw must only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable must be mechanically held at an appropriate distance from the connection point (e.g., when used in a plate cut out). For notes on correct execution, see DIN VDE 0100-520:2003-06. Unused connections must be tightened with maximum torque.</p> |

Material data

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

Standards and Regulations

| | |
|----------------------------------|----|
| Connection in acc. with standard | UL |
|----------------------------------|----|

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Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

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 | 27440207 |

ETIM

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

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / EAC / EAC

Ex Approvals

Approvals submitted

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Approvals

Approval details

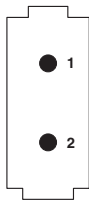
| | |
|--------------------------------|-------|
| UL Recognized | |
| mm ² /AWG/kcmil | 4 |
| Nominal current I _N | 70 A |
| Nominal voltage U _N | 600 V |

| |
|-----|
| EAC |
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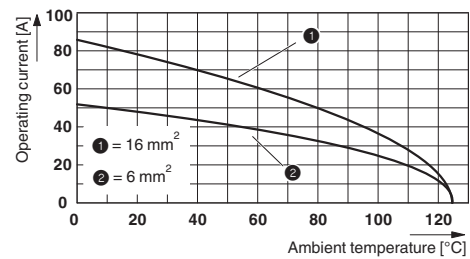
| |
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| EAC |
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Drawings

Schematic diagram



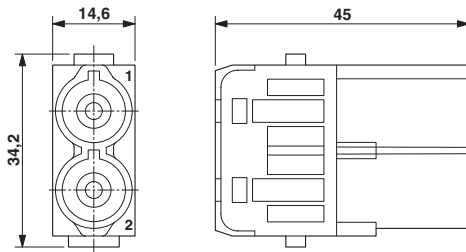
Diagram



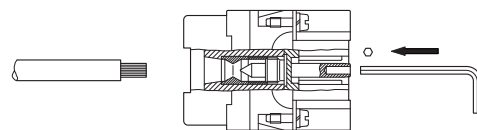
Connector pin assignment, connection side

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

Dimensional drawing



Schematic diagram



Axial screw connection

Pin module