

## 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 mm<sup>2</sup> axial screw connection

### Your advantages

- Plug module is shock proof



### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 2 pc  |
| Minimum order quantity | 2 pc  |
| GTIN                   | <br>4 046356 308205 |
| GTIN                   | 4046356308205   |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Height | 45 mm   |
| Width  | 34.2 mm |
| Length | 14.6 mm |

#### Electrical characteristics

|                       |        |
|-----------------------|--------|
| Rated voltage (III/3) | 1000 V |
| Rated current         | 70 A   |
| Rated surge voltage   | 8 kV   |
| Connection profile    | 2      |

#### Ambient conditions

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

#### Mechanical characteristics

|                              |  |
|------------------------------|--|
| Conductor cross section      | 6 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Connection cross section AWG | 8 ... 6                                  |

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## Technical data

### Mechanical characteristics

|   |                            |
|---|----------------------------|
| Stripping length of the individual wire | 11 mm +1                   |
| Tightening torque                       | 2 Nm (6 mm <sup>2</sup> )  |
|   | 3 Nm (10 mm <sup>2</sup> ) |
|   | 4 Nm (16 mm <sup>2</sup> ) |
| Wire diameter including insulation      | 8.9 mm                     |
| Hexagonal socket                        | SW2,5                      |
| Insertion/withdrawal cycles             | ≥ 500                      |
| Minimum housing height                  | 72 mm                      |

### General

|  |   |
|--|---|
| Note                                   | For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, axial connection for 2.5 mm Allen key   |
| 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:<br/>                     Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used.<br/>                     Cables with a geometric cross section which deviates significantly from the nominal cable cross section must be checked before use.<br/>                     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<br/>                     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 |
| Flammability rating according to UL 94 | V0 |

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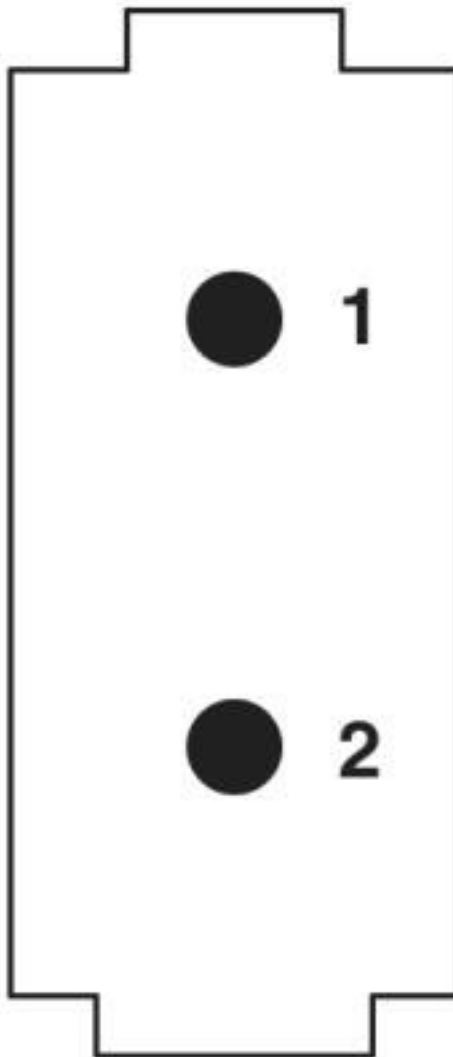
## Technical data

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

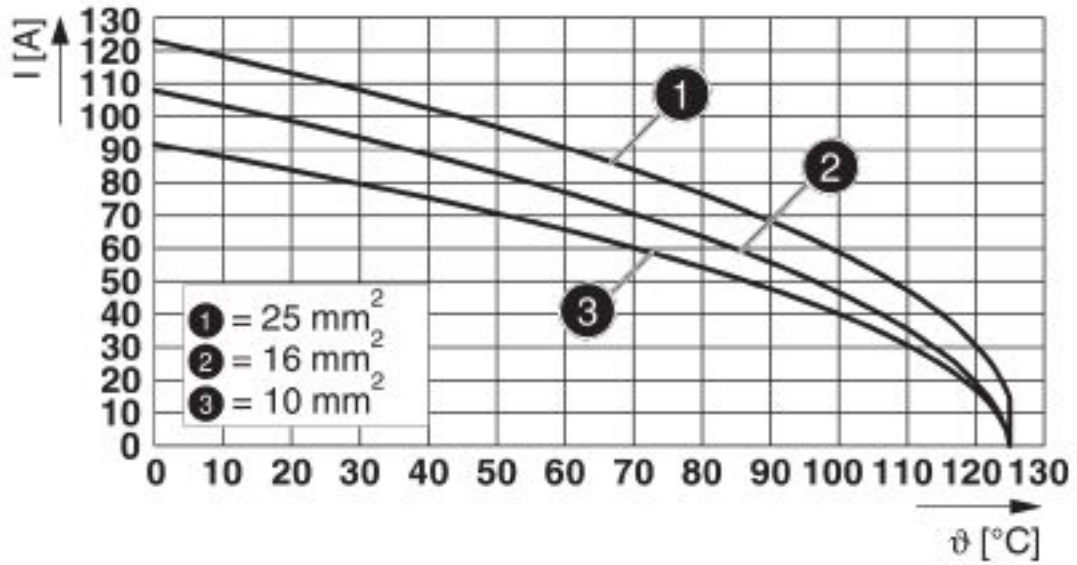
Schematic diagram



Connector pin assignment, connection side

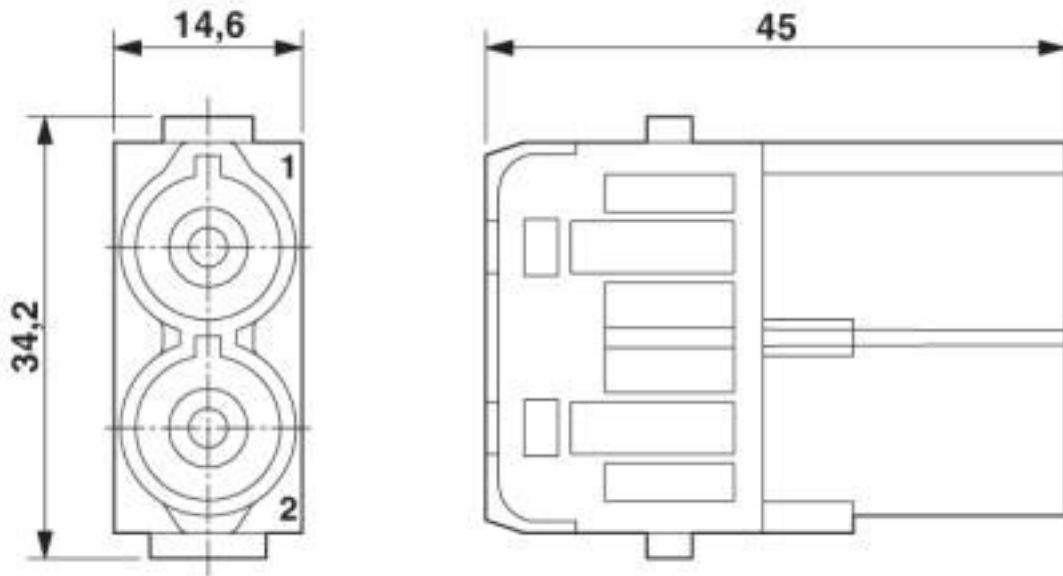
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Diagram



Derating diagram

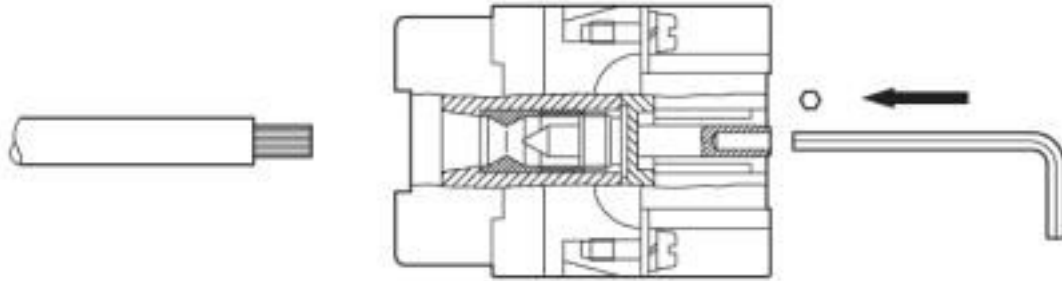
Dimensional drawing



Pin module

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Schematic diagram



Axial screw connection

## 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 | 27440217 |

ETIM

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

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172601 |
| UNSPSC 7.0901 | 39121416 |
| UNSPSC 11     | 43172601 |
| UNSPSC 12.01  | 39121408 |
| UNSPSC 13.2   | 39121522 |
| UNSPSC 19.0   | 39121522 |

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