

Contact insert module - HC-M-02-AT-F-35 - 1417390


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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Axial screw connection, 1000 V, 100 A, 10 mm² ... 35 mm², application: Power



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 2 pc |
| Minimum order quantity | 2 pc |
| GTIN |  4 055626 112701 |
| GTIN | 4055626112701 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 50.3 mm |
| Width | 34.2 mm |
| Length | 29.4 mm |

Electrical characteristics

| | |
|-----------------------|--------|
| Rated voltage (III/3) | 1000 V |
| Rated current | 100 A |
| Rated surge voltage | 8 kV |
| Connection profile | 2 |

Ambient conditions

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

Mechanical characteristics

| | |
|---|---|
| Conductor cross section | 10 mm ² ... 35 mm ² (The cross section specification refers to the geometric cross section of the cable used) |
| Connection cross section AWG | 8 ... 2 |
| Stripping length of the individual wire | 13 mm |
| Tightening torque | 6 Nm (10 mm ² ... 16 mm ²) |

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Mechanical characteristics

| | |
|------------------------------------|----------------------------|
| | 7 Nm (25 mm ²) |
| | 8 Nm (35 mm ²) |
| Contact diameter | 8 mm |
| Wire diameter including insulation | 11.4 mm |
| Hexagonal socket | SW 4 |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 72 mm |

General

| | |
|--|---|
| Note | For HEAVYCON HC-B6 to B48 housing, snap-in module frame required, axial connection for 4 mm Allen key |
| | The axial screw connection must be established using a 4 mm Allen key (for stranded conductors only) |
| | Connectors may be operated only when there is no load/voltage. |
| Series | HC-M-HS |
| Color | light gray |
| Number of module slots | 2 |
| Connection method | Axial screw connection |
| Flammability rating according to UL 94 | V0 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Assembly instructions | To ensure correct use, installation in housing with IP54 protection or better is required |
| 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. 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

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Technical data

Standards and Regulations

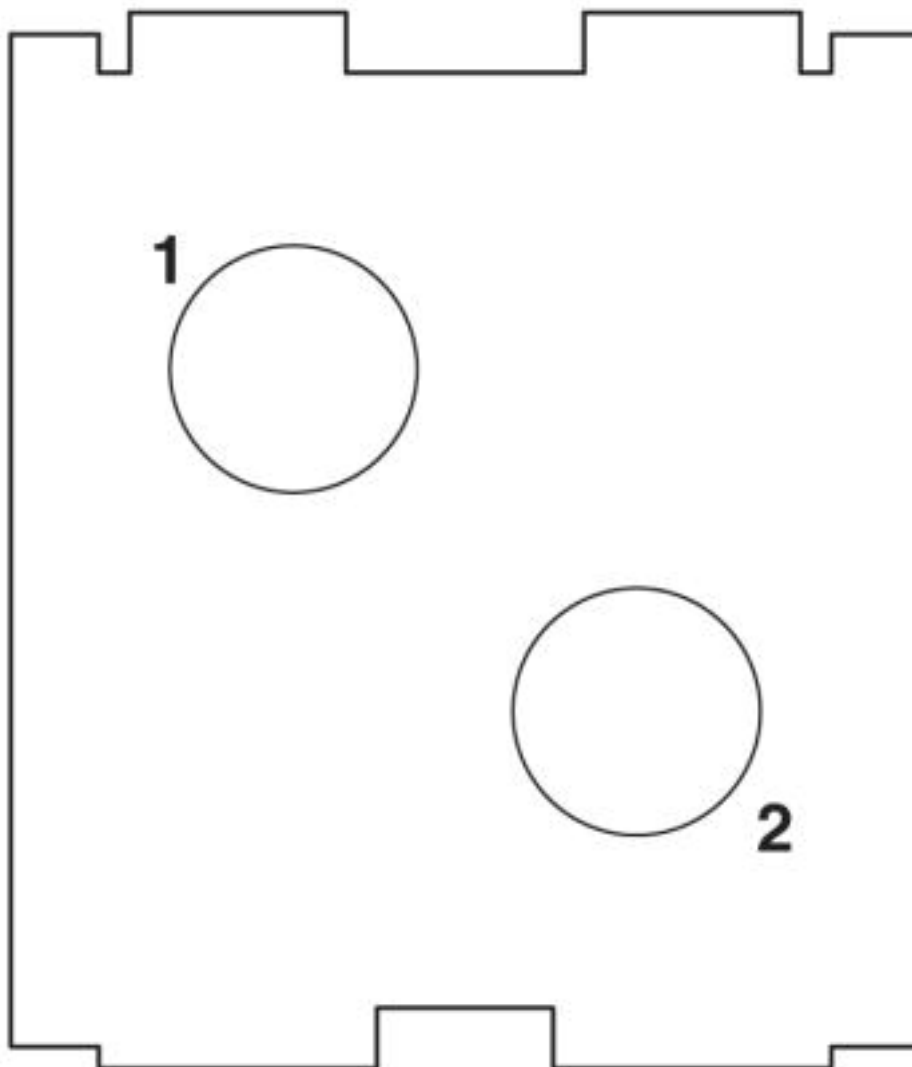
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Environmental Product Compliance

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

Drawings

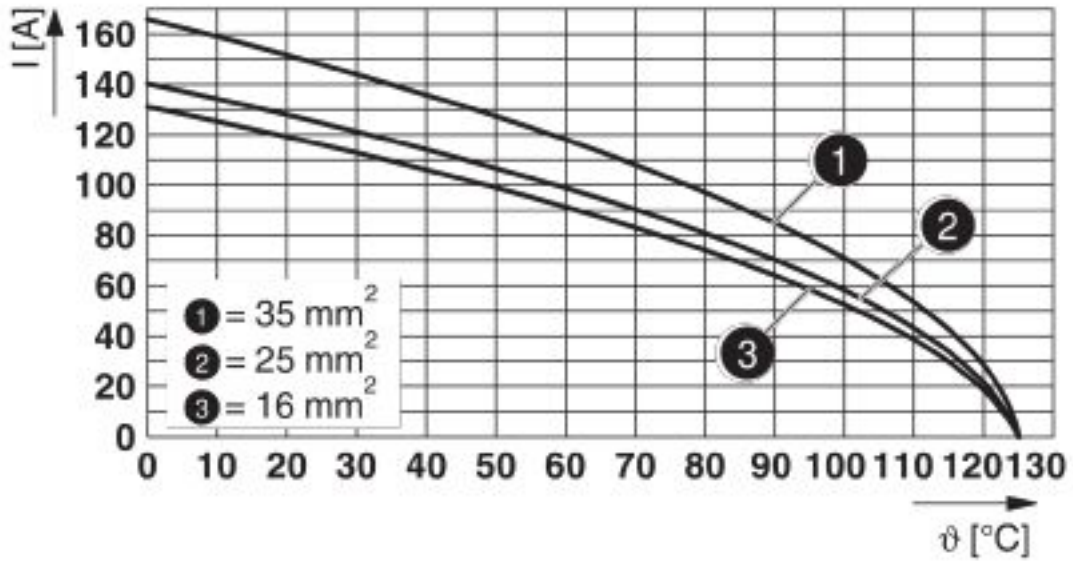
Schematic diagram



Connector pin assignment

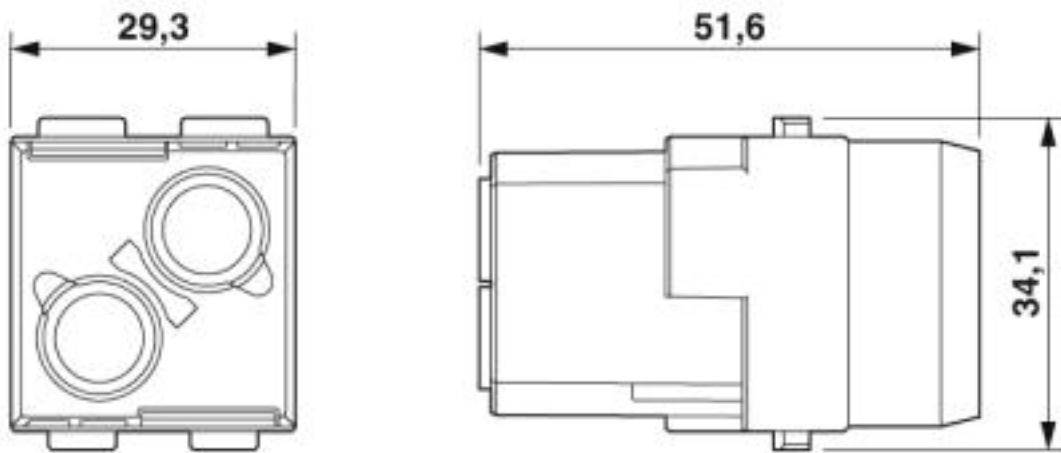
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Diagram



Derating diagram

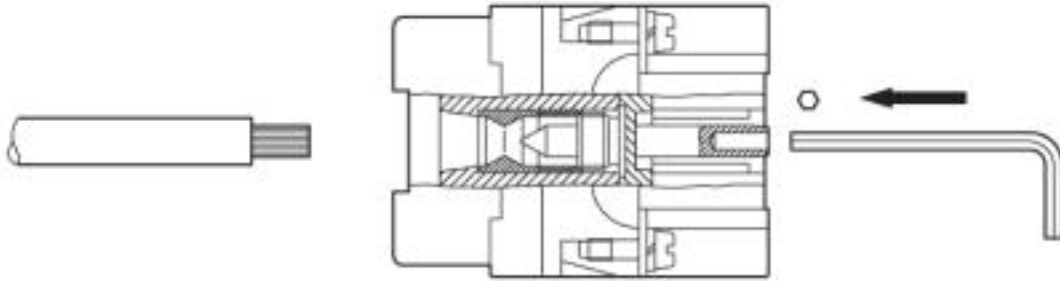
Dimensional drawing



Socket module

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Schematic diagram



Axial connection

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|--|---|-------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 100 A | |
| mm ² /AWG/kcmil | | 2 | |

| | | | |
|----------------------------|--|---|---------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| Nominal voltage UN | | 600 V | |
| Nominal current IN | | 127 A | |
| mm ² /AWG/kcmil | | 2 | |

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

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