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Contact insert module - HC-M-01-AT-M-40 - 1417381


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Contact insert module, Number of positions: 1, Pin, Axial screw connection, 1000 V, 200 A, 25 mm² ... 70 mm², Application: Power



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 2 STK |
| Minimum order quantity | 2 STK |
| GTIN |  4 055626 112626 |
| GTIN | 4055626112626 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 54.5 mm |
| Width | 34.2 mm |
| Length | 29.4 mm |

Electrical characteristics

| | |
|-----------------------|--|
| Note | Required for housing HC-B6 to B48, (housing height min. 72 mm), housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR..., axial connection for 5 mm Allen wrench |
| Rated voltage (III/3) | 1000 V |
| Rated current | 200 A |
| Rated surge voltage | 8 kV |
| Connection profile | 1 |

Ambient conditions

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

Mechanical characteristics

| | |
|-------------------------|---|
| Conductor cross section | 25 mm ² ... 70 mm ² (The cross section specification refers to the geometric cross section of the cable used) |
|-------------------------|---|

Contact insert module - HC-M-01-AT-M-40 - 1417381

Technical data

Mechanical characteristics

| | |
|---|---|
| Connection cross section AWG | 3 ... 00 |
| Stripping length of the individual wire | 16 mm |
| Tightening torque | 8 Nm (25 mm ² ... 35 mm ²) |
| | 9 Nm (50 mm ²) |
| | 10 Nm (70 mm ²) |
| Wire diameter including insulation | 12 mm (25 mm ²) |
| | 16 mm (40 mm ²) |
| Hexagonal socket | WAF 5 |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 72 mm |

General

| | |
|--|--|
| 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 | <ul style="list-style-type: none"> - Use only flexible conductors, - Connection of wires with 5 mm an Allen wrench, - Housing height $h \geq 72$ mm, - Connectors may only be operated without 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. Use of cables with a geometric cross section very different from 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 wires should be inserted as far as they will go in the contact chamber (until the insulation touches the contact). Hold wires in position and use socket wrench to tighten. The used wire end should be cut off before connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/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. The module cannot be used simultaneously with the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.</p> |

Material data

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

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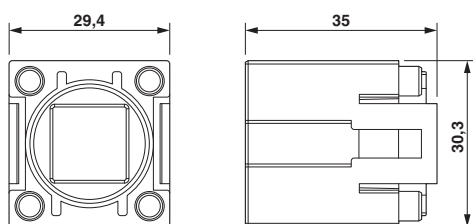
Technical data

Standards and Regulations

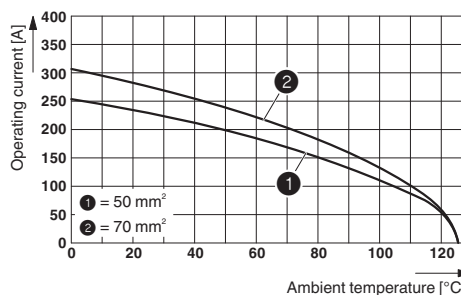
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Drawings

Dimensional drawing



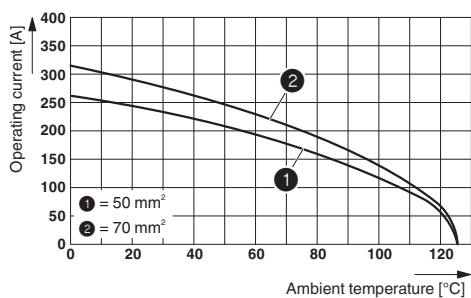
Diagram



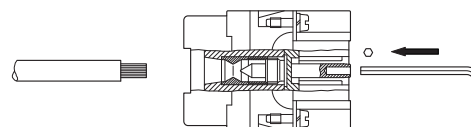
Male insert

Derating diagram (3 modules in HC-B 24 housing)

Diagram



Schematic diagram



Axial screw connection

Two modules in B24 housing

Approvals

Approvals

Approvals


EAC / CSA / UL Recognized


Ex Approvals


Approval details

Contact insert module - HC-M-01-AT-M-40 - 1417381

Approvals

| | | | |
|-----|---|---|---------------------|
| EAC |  | http://www.eurasian Conformity.com | 7500651.22.01.00246 |
|-----|---|---|---------------------|

| | | | |
|--------------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| | | | |
| mm ² /AWG/kcmil | 00 | | |
| Nominal current I _N | 116 A | | |
| Nominal voltage U _N | 600 V | | |

| | | | |
|--------------------------------|---|---|---------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| | | | |
| mm ² /AWG/kcmil | 2 | | |
| Nominal current I _N | 146 A | | |
| Nominal voltage U _N | 600 V | | |

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