Extract from the online catalog

# HC-M-HS 200/40-MOD-ST

Order No.: 1637168

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1637168

HEAVYCON contact insert module, connector, 1-pos., for axial screw connection, 200 A, 25-40 mm²

Product notes

WEEE/RoHS-compliant since: 10/31/2006

| Commercial data | |
|---|---|
| EAN | 4046356095372 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Weight/Piece | 0.0717 KG |
| Catalog page information | Page 450 (PC-2009) |

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## Technical data

### 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 |
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Number of positions | 1 |

**Mechanical characteristics**

| | |
|---|---|
| Conductor cross section | 25 mm² ... 40 mm² |
| Connection cross section AWG | 3 ... 2 |
| Stripping length of the individual wire | 16 mm |
| Tightening torque | 8 Nm (25-35 $mm^2$) |
| | 9 Nm (40 $mm^2$) |
| Wire diameter including insulation | 12 mm |
| Hexagonal socket | WAF 5 |
| Insertion/withdrawal cycles | ≥ 500 |

**General characteristics**

| | |
|---|---|
| Number of module slots | 2 |
| Connection method | Axial screw connection |
| Inflammability class acc. to UL 94 | V0 |
| Pollution degree | 3 |
| Surge voltage category | III |
| Assembly instructions | - Use only flexible conductors,- Connection of wires with 5 mm an Allen wrench,- Housing height h ≥ 72 mm,- Connectors may only be operated without load/voltage. |
| Connection | **Note for axial connection method** The specified conductor cross-sections refer to the geometric cross-section of the used conductor.The use of conductors with a geometric cross-section that deviates greatly from the nominal cross-section of the conductor should be checked first.The wiring space of the axial screw technology has been designed for fine strand conductors as per VDE 0295 class 5. Deviating conductor superstructures (e.g. class 6 conductors) must be checked before use.**Connection** It must be ensured before installation that the ball screw is completely turned back (chamber is open). Twisting the conductors is not allowed. The cores must be pushed up to the end of the contact chamber (until the contact is insulated). Keep the core in this position and tighten it using an Allen key. The required core end must be cut before a reconnection. Tightening the connection screw is allowed only once in order to prevent a breakage of the litz wire. |

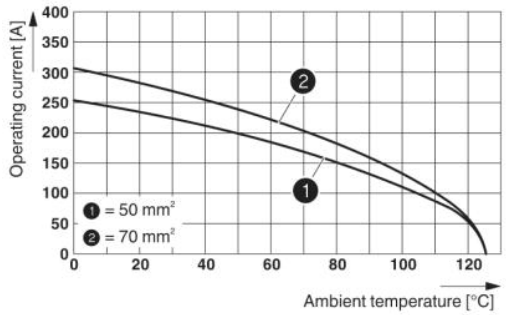
**Material data**

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

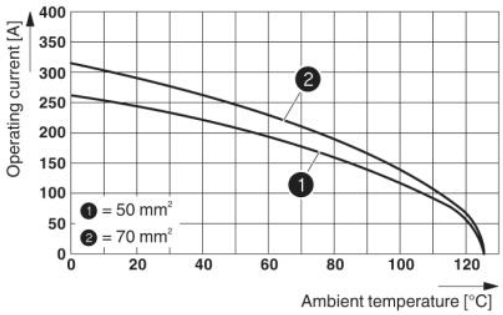
| | |
|---|---|
| Contact carrier material | PC |

## Drawings

Diagram

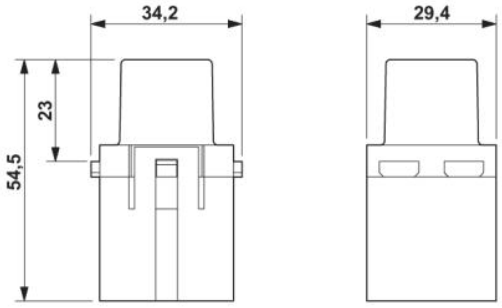



Three modules in B24 housing



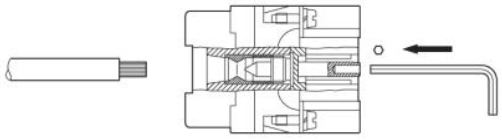

Two modules in B24 housing

Dimensioned drawing




Male insert

Schematic diagram



Axial screw connection

## Address

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