

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

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Contact insert module, Number of positions: 2, Socket, Axial screw connection, 1000 V, 100 A, 10 mm² ... 35 mm², Application: Power



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| Minimum order quantity | 2 STK |
| GTIN |  4 055626 112701 |
| GTIN | 4055626112701 |
| Weight per Piece (excluding packing) | 70.000 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

Dimensions

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

Electrical characteristics

| | |
|-----------------------|---|
| Note | For HEAVYCON HC-B6 to B48 housing, snap-in module frame required, axial connection for 4 mm Allen key |
| Rated voltage (III/3) | 1000 V |
| Rated current | 100 A |
| Rated surge voltage | 8 kV |
| Connection profile | 2 |

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Technical data

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 | 4 ... 2 |
| Stripping length of the individual wire | 13 mm |
| Tightening torque | 6 Nm (10 mm ² ... 16 mm ²) |
| | 7 Nm (25 mm ²) |
| | 8 Nm (35 mm ²) |
| Wire diameter including insulation | 11.4 mm |
| Hexagonal socket | SW 4 |
| 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 | Use HC housing h ≥ 72 mm. Connection of the wires using a 4 mm. Allen wrench. Axial screw connection only for stranded wires. Plug-in connections may only be operated only when there is no 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 insert module - HC-M-02-AT-F-35 - 1417390

Technical data

Material data

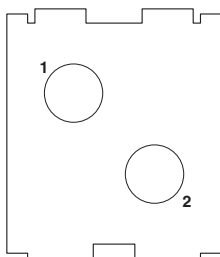
| | |
|--------------------------|--------------|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |

Standards and Regulations

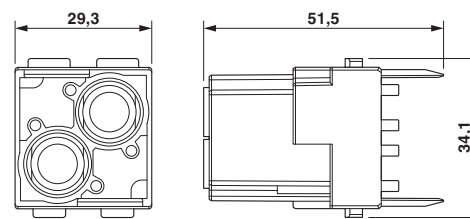
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Drawings

Schematic diagram



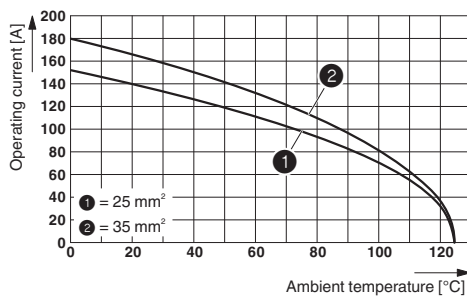
Dimensional drawing



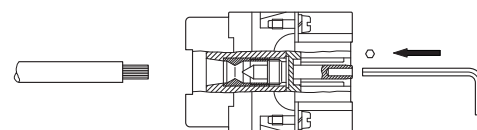
Socket module

Connector pin assignment

Diagram



Schematic diagram



Axial connection

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143424 |
| eCl@ss 6.0 | 27143424 |
| eCl@ss 8.0 | 27440205 |
| eCl@ss 9.0 | 27440217 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121421 |
|-------------|----------|

Approvals


Approvals


Approvals


EAC / CSA / UL Recognized

Ex Approvals

Approval details

| | | | |
|-----|---|---|---------------------|
| EAC |  | http://www.eurasianconformity.com/ | 7500651.22.01.00246 |
|-----|---|---|---------------------|

| | | | |
|--------------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| mm ² /AWG/kcmil | 2 | | |
| Nominal current I _N | 100 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 | 127 A | | |
| Nominal voltage U _N | 600 V | | |

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Accessories

Accessories

Module carrier frame

Module carrier frame - HC-M-B06-MF-B - 1417398



Module carrier frame, Size: B6, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B10-MF-B - 1417399



Module carrier frame, Size: B10, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B16-MF-B - 1417400



Module carrier frame, Size: B16, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B24-MF-B - 1417402



Module carrier frame, Size: B24, Type: for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B06-MF-H - 1417403



Module carrier frame, Size: B6, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B10-MF-H - 1417404



Module carrier frame, Size: B10, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B16-MF-H - 1417405



Module carrier frame, Size: B16, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Module carrier frame - HC-M-B24-MF-H - 1417406



Module carrier frame, Size: B24, Type: for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², Application: Module carrier frame

Mounting material

Cable lug - HC-M-MHR-PE16 - 1636981



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm², for crimping with crimp pliers

Torque tool

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Accessories

Torque screwdriver - TSD-M 6NM - 1212226



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 3 - 6 Nm
