

Contact insert module - HC-M-01-AT-M-40-PE - 1417382


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Contact insert module, number of positions: PE, power contacts: 0, control contacts: 0, Pin, Axial screw connection, 25 mm² ... 70 mm², application: PE transmission



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 2 pc |
| Minimum order quantity | 2 pc |
| GTIN |  4 055626 112633 |
| GTIN | 4055626112633 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 54.6 mm |
| Width | 34.4 mm |
| Length | 29.3 mm |

Electrical characteristics

| | |
|--------------------|----|
| Connection profile | PE |
|--------------------|----|

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) |
| Connection cross section AWG | 10 ... 00 |
| Stripping length of the individual wire | 16 mm |
| Tightening torque | 8 Nm (25 mm ² ... 70 mm ²) |
| | 9 Nm (50 mm ²) |
| | 10 Nm (70 mm ²) |
| Contact diameter | 9.5 mm |

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Technical data

Mechanical characteristics

| | |
|------------------------------------|-----------------------------|
| Wire diameter including insulation | 12 mm (25 mm ²) |
| | 16 mm (70 mm ²) |
| Hexagonal socket | WAF 5 |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 72 mm |

General

| | |
|--|---|
| Note | For HEAVYCON HC-B6 to B48 housing (housing height: min. 72 mm), HC-M-B...-MF-... module carrier frame required, axial connection for 5 mm Allen key |
| | Connectors may be operated only when there is no load/voltage. |
| | The axial screw connection must be established using a 5 mm Allen key (for stranded conductors only) |
| Series | HC-M-HS |
| Color | light gray |
| Number of module slots | 2 |
| Connection method | Axial screw connection |
| Flammability rating according to UL 94 | V0 |
| 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

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

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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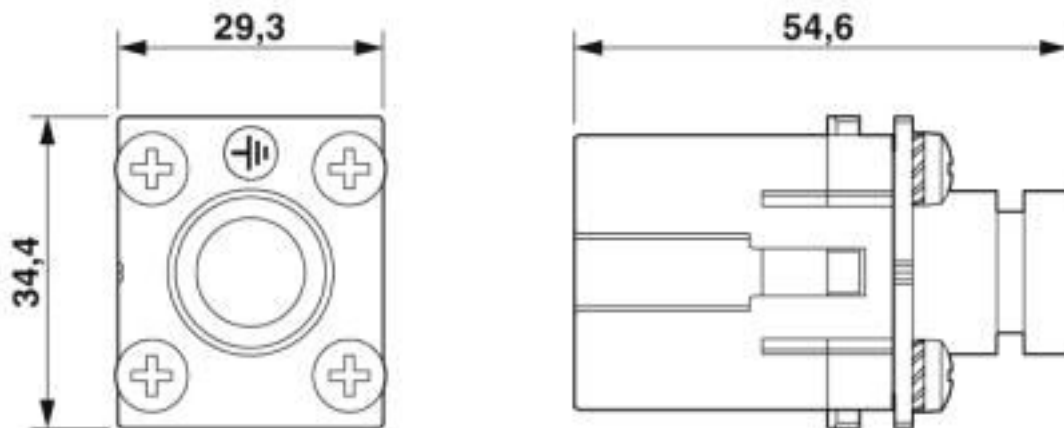
Technical data

Environmental Product Compliance

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

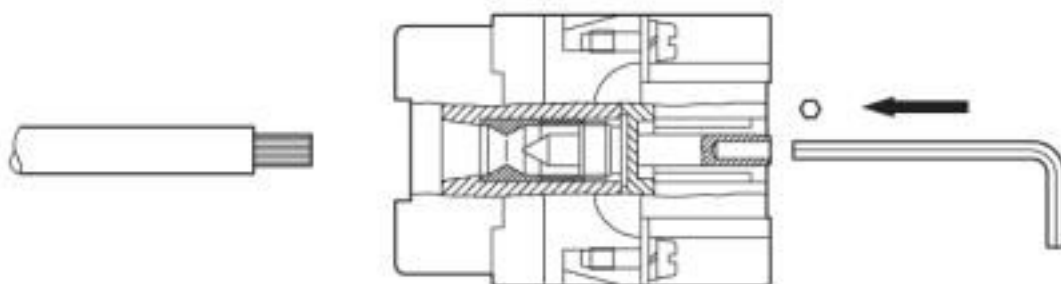
Drawings

Dimensional drawing



Male insert

Schematic diagram



Axial screw connection

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440217 |
| 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 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 5.0 | EC000438 |
| ETIM 6.0 | EC000438 |
| ETIM 7.0 | EC000438 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121421 |
| UNSPSC 18.0 | 39121421 |
| UNSPSC 19.0 | 39121421 |
| UNSPSC 20.0 | 39121421 |
| UNSPSC 21.0 | 39121421 |

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

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

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.BL08.B.00511 |
|-----|--|--------------------------|

Accessories

Accessories

Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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Accessories

Module carrier frame - HC-M-B10-MFH-B - 1182088



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-MFH-B - 1182090



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-MFH-B - 1182094



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-MFH-H - 1182087



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B10-MFH-H - 1182089



Module carrier frame, size: B10, 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-B16-MFH-H - 1182093



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-MFH-H - 1182095



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame

Screwdriver tools

Screwdriver - SF-BIT-HEX 5-89 S - 1200303



Screw bit, hexagon, E6.3-1/4" drive, size: Hex 5 x 89 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Socket spanner

Screwdriver - SF-THEX 5-150 - 1212641



T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 5 x 150 mm, ergonomically shaped handle, matt chrome-plated

Additional products

Contact insert module - HC-M-01-AT-F-40-PE - 1417380



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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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