

## Contact insert module - HC-M-02-EMC-M - 1417374

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Contact insert module, number of positions: 2, Pin, Crimp connection, 50 V, 10 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, application: Data/signal, for using two HC-M-EMV-ST/3-9,5 EMC connectors (pin version, each 4-pos.)

RoHS

COMPLIANT

### Key Commercial Data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 2 pc                                                                                                    |
| Minimum order quantity | 2 pc                                                                                                    |
| GTIN                   | <br>4 055626 112565 |
| GTIN                   | 4055626112565                                                                                           |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Height | 34 mm   |
| Width  | 34.2 mm |
| Length | 29.4 mm |

#### Electrical characteristics

|                       |        |
|-----------------------|--------|
| Rated voltage (III/3) | 50 V   |
| Rated current         | 10 A   |
| Rated surge voltage   | 0.8 kV |
| Connection profile    | 2      |

#### Ambient conditions

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

#### Mechanical characteristics

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Conductor cross section     | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Contact diameter            | 1.6 mm                                       |
| Insertion/withdrawal cycles | ≥ 500                                        |

#### General

## Contact insert module - HC-M-02-EMC-M - 1417374

### Technical data

#### General

|                                        |                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Note                                   | For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required. |
|                                        | Connectors may be operated only when there is no load/voltage.                             |
| Series                                 | HC-M-EMV                                                                                   |
| Color                                  | light gray                                                                                 |
| Number of module slots                 | 2                                                                                          |
| Connection method                      | Crimp connection                                                                           |
| Contact type                           | turned                                                                                     |
| 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                             | Plastic module for the HC-M-EMV-ST/3-9.5 EMC connector                                     |

#### Material data

|                          |                        |
|--------------------------|------------------------|
| Contact material         | Copper alloy           |
| Contact surface material | Ag (power)/Au (signal) |
| Contact carrier material | PC                     |
| Phase conductor material | Zinc alloy             |

#### Standards and Regulations

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

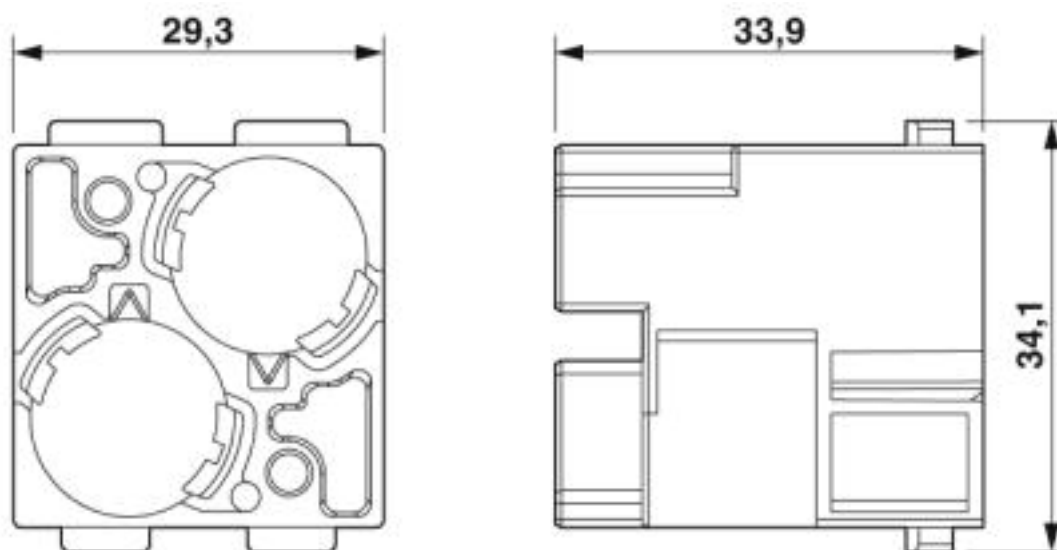
#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

## Contact insert module - HC-M-02-EMC-M - 1417374

Dimensional drawing



Male insert

### Classifications

eCI@ss

|               |          |
|---------------|----------|
| eCI@ss 10.0.1 | 27440218 |
| eCI@ss 5.1    | 27261200 |
| eCI@ss 6.0    | 27261200 |
| eCI@ss 7.0    | 27440205 |
| eCI@ss 8.0    | 27440205 |
| eCI@ss 9.0    | 27440218 |

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

## Contact insert module - HC-M-02-EMC-M - 1417374

### Approvals

#### Approvals

CSA / UL Recognized / EAC / EAC

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#### Ex Approvals

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#### Approval details

|               |                                                                                     |                                                                                                                                                       |                          |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| CSA           |    | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>               | 13631                    |
| UL Recognized |    | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E118976                  |
| EAC           |  |                                                                                                                                                       | RU C-<br>DE.AI30.B.01102 |
| EAC           |  |                                                                                                                                                       | RU C-<br>DE.BL08.B.00511 |

### Accessories

#### Accessories

##### Adapter

Adapter - HC-M-ADP-EMC - 1420486



Adapter, application: Shield adapters

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#### Assembly tool

## Contact insert module - HC-M-02-EMC-M - 1417374

### Accessories

Contact removal tool - HC-M-EMV-KON-EWZ - 1678635



Contact removal tool for HC-M-EMV contact carriers

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### EMC insert, modular

Connector - HC-M-EMV-ST/3-9,5 - 1636088



HEAVYCON EMC connector, pin version, 4-pos., for connecting shielded conductors with 3 ... 9.5 mm external conductor diameter. For use in the HC-M-02-EMC-M plastic module

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Connector - HC-M-08-EMC-DSUB-M - 1066082



Connector, number of positions: 8, power contacts: 0, control contacts: 8, Pin, 50 V, 5 A, 0.09 mm<sup>2</sup> ... 0.52 mm<sup>2</sup>, external cable diameter: 3 mm ... 9.5 mm

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Connector - HC-M-01-COAX-CK1,6-75-M - 1066962



Connector, power contacts: 0, control contacts: 1, Pin, 50 V, 10 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, external cable diameter: 3 mm ... 9.5 mm, 75 Ohm

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Connector - HC-M-01-COAX-CK2,5-50-M - 1066960



Connector, power contacts: 0, control contacts: 1, Pin, 50 V, 16 A, 0.5 mm<sup>2</sup> ... 4 mm<sup>2</sup>, external cable diameter: 3 mm ... 9.5 mm, 50 Ohm

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### Module carrier frame

## Contact insert module - HC-M-02-EMC-M - 1417374

### Accessories

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



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B16-MFH-B - 1182090



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B24-MFH-B - 1182094



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B06-MFH-H - 1182087



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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## Contact insert module - HC-M-02-EMC-M - 1417374

### Accessories

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

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

### Additional products

Contact insert module - HC-M-02-EMC-F - 1417376



Contact insert module, number of positions: 2, Socket, Crimp connection, 50 V, 10 A, 0.14 mm² ... 2.5 mm², application: Data/signal, for using two HC-M-EMV-BU/3-9,5 EMC connectors (socket version, each 4-pos.)