

# HC-M-08-MBIT-CT-M-2 - Contact insert module



1353614

<https://www.phoenixcontact.com/in/products/1353614>

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Contact insert module, number of positions: 8, Pin, Crimp connection, 48 V, 10 A, 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, external cable diameter:4.5 mm ... 9 mm, application: Data/signal, without crimp contacts, with two cable outlets

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1353614       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | AF7ACE        |
| GTIN                                 | 4063151899523 |
| Weight per piece (including packing) | 70 g          |
| Weight per piece (excluding packing) | 22.22 g       |
| Country of origin                    | PL            |

## Technical data

### Notes

|         |                                                                |
|---------|----------------------------------------------------------------|
| General | Connectors may be operated only when there is no load/voltage. |
|---------|----------------------------------------------------------------|

### Mounting

|               |                                                                                           |
|---------------|-------------------------------------------------------------------------------------------|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
|---------------|-------------------------------------------------------------------------------------------|

### Product properties

|                        |                        |
|------------------------|------------------------|
| Product type           | Modular contact insert |
| Series                 | HC-M-08-MBIT           |
| Application            | Data/signal            |
| Number of positions    | 8                      |
| Connection profile     | 8                      |
| Contact numbering      | 1 - 8                  |
| No. of cable outlets   | 2                      |
| Number of module slots | 1                      |
| Contact material type  | turned                 |
|                        | rolled                 |
| Shielded               | yes                    |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Connection data

#### Connection technology

|                       |                  |
|-----------------------|------------------|
| Connection technology | Crimp connection |
|-----------------------|------------------|

#### Conductor connection

|                              |                      |
|------------------------------|----------------------|
| Conductor cross section      | 0.14 mm² ... 1.5 mm² |
| Connection cross section AWG | 26 ... 16            |

### Dimensions

|        |         |
|--------|---------|
| Width  | 33.8 mm |
| Height | 58.9 mm |
| Length | 14.6 mm |

### Mechanical characteristics

|                        |        |
|------------------------|--------|
| Minimum housing height | 72 mm  |
| Contact diameter       | 1.6 mm |

### Electrical properties

|                       |      |
|-----------------------|------|
| Rated voltage (III/3) | 48 V |
|-----------------------|------|

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|                                         |       |
|-----------------------------------------|-------|
| Rated current                           | 10 A  |
| Transmission characteristics (category) | CAT5e |

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Material specifications

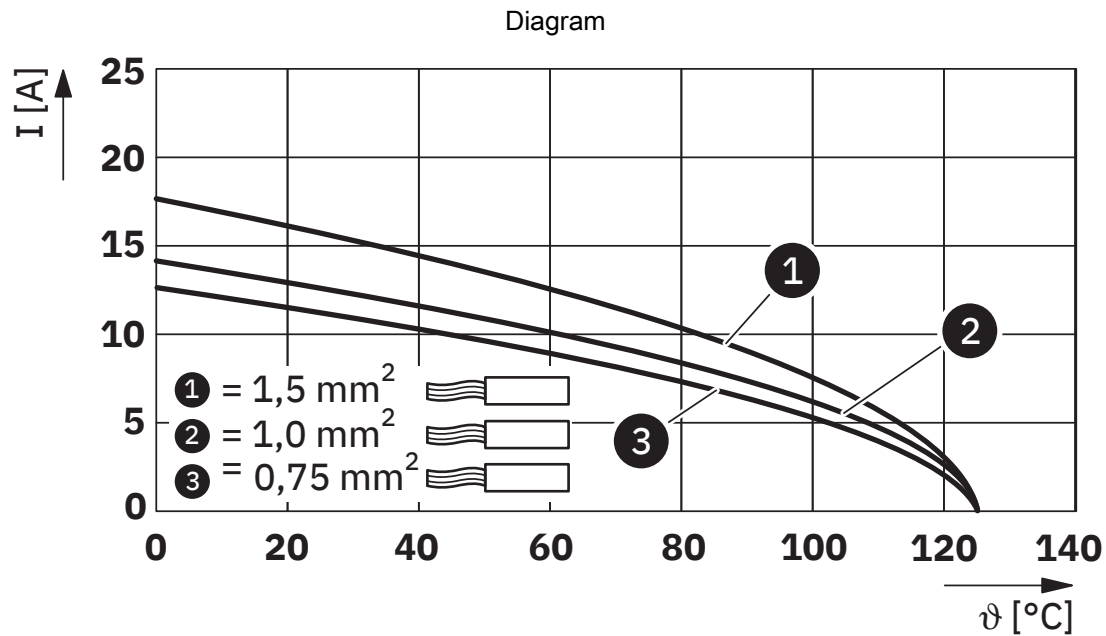
|                                        |              |
|----------------------------------------|--------------|
| Flammability rating according to UL 94 | V0           |
| Contact material                       | Copper alloy |
| Contact carrier material               | PC           |
| Standards/regulations                  | PC           |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (including heating up of contacts) |
|---------------------------------|-----------------------------------------------------|

## Drawings



Derating diagram

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440218 |
| ECLASS-15.0 | 27440218 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000438 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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PHOENIX CONTACT (I) Pvt. Ltd.  
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420  
[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)