

HC-M-06P-CT-M - Contact insert module



1414368

<https://www.phoenixcontact.com/us/products/1414368>

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Contact insert module, number of positions: 6, power contacts: 6, control contacts: 0, Pin, Crimp connection, 500 V, 16 A, 0.5 mm² ... 4 mm², application: Power

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1414368 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | BF62 |
| Product key | BF7ACE |
| Catalog page | Page 579 (C-2-2019) |
| GTIN | 4055626025216 |
| Weight per piece (including packing) | 10.39 g |
| Weight per piece (excluding packing) | 10.3 g |
| Customs tariff number | 85389099 |
| Country of origin | PL |

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Technical data

Notes

| | |
|---------|---|
| General | For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK2,5-ED... imp contacts, crimp contacts not supplied as standard. |
| General | Connectors may be operated only when there is no load/voltage. |

Mounting

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

Product properties

| | |
|-------------------------|------------------------|
| Product type | Modular contact insert |
| Number of positions | 6 |
| Connection profile | 6 |
| Contact numbering | 1 - 6 |
| Application | Power |
| Number of module slots | 1 |
| No. of power contacts | 6 |
| No. of control contacts | 0 |
| Contact material type | turned |
| Series | HC-M-06 |

Insulation characteristics

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

Connection data

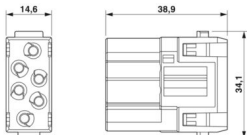
Connection technology

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

Conductor connection

| | |
|---|---|
| Conductor cross section | 0.5 mm ² ... 4 mm ² |
| Connection cross section AWG | 20 ... 12 |
| Stripping length of the individual wire | 7.5 mm |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34.1 mm |
| Height | 38.9 mm |

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| | |
|--------|---------|
| Length | 14.6 mm |
|--------|---------|

Mechanical characteristics

| | |
|------------------------|--------|
| Minimum housing height | 52 mm |
| Contact diameter | 2.5 mm |

Electrical properties

| | |
|--------------------------------|-------|
| Rated voltage (III/2) contacts | 830 V |
| Rated voltage (III/3) | 500 V |
| Rated surge voltage | 8 kV |
| Rated current | 16 A |

Mechanical properties

Mechanical data

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

Material specifications

| | |
|--|---|
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag (alternatively Au) |
| Contact carrier material | PC |
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Testing

| | |
|-----------------------|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|---|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440217 |
| ECLASS-12.0 | 27440217 |
| ECLASS-13.0 | 27440217 |

ETIM

| | |
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| ETIM 9.0 | EC000438 |
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UNSPSC

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| UNSPSC 21.0 | 39121400 |
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Environmental product compliance

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

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