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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Contact insert module - HC-M-03/04-CT-M - 1414364


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Contact insert module, Number of positions: 3+4, power contacts: 3, control contacts: 4, Pin, Crimp connection, 830 V, 40 A, 1.5 mm² ... 6 mm², Application: Power/signal



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 5 STK |
| Minimum order quantity | 5 STK |
| GTIN |  4 055626 025070 |
| GTIN | 4055626025070 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 44.3 mm |
| Width | 34.2 mm |
| Length | 14.6 mm |

Electrical characteristics

| | |
|-----------------------|--|
| Note | For HEAVYCON HC-B6 to B48 housing, HC-M-MHR... hinged retaining frame required, crimp connection, power contacts: CK 4,0-ED..., control contacts: CK 1,6-ED... (crimp contacts not supplied as standard) |
| Rated voltage (III/3) | 830 V (power contacts) 830 V (control contacts) |
| Rated current | 40 A (power contacts) 10 A (control contacts) |
| Rated surge voltage | 8 kV (power contacts) 8 kV (control contacts) |
| Connection profile | 3+4 |

Ambient conditions

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

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Technical data

Mechanical characteristics

| | |
|---|---|
| Conductor cross section | 1.5 mm ² ... 6 mm ² (power contacts) |
| | 0.14 mm ² ... 2.5 mm ² (control contacts) |
| Connection cross section AWG | 16 ... 10 (power contacts) |
| | 26 ... 14 (control contacts) |
| Stripping length of the individual wire | 9 mm (9.6 mm (4-6 mm ²)) |
| | 8 mm (6 mm (2,5 mm ²)) |
| Wire diameter including insulation | 5 mm (for power contacts) |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 52 mm |

General

| | |
|--|---|
| Series | HC-M-03/04 |
| Color | light gray |
| Number of module slots | 1 |
| Connection method | Crimp connection (power contacts) |
| | Crimp connection (control contacts) |
| Flammability rating according to UL 94 | V0 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Assembly instructions | For housing heights ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage. |
| Connection | The module cannot be used simultaneously with HC-B...-TMB-SD-IP65 and HC-B...-TMS-SD-IP65 protective covers. Not suitable for CK1,6-ED-...POF fiber optic contacts. |

Material data

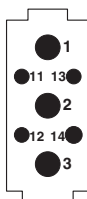
| | |
|--------------------------|--------------|
| Contact material | Copper alloy |
| Contact carrier material | PC |

Standards and Regulations

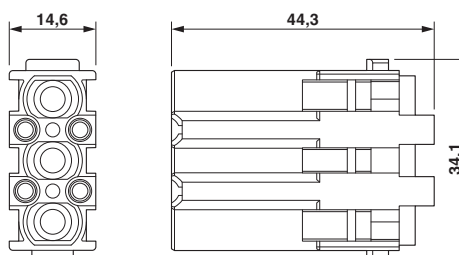
| | |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

Drawings

Schematic diagram



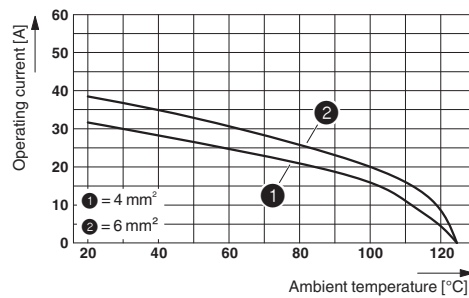
Dimensional drawing



Connector pin assignment, connection side

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Diagram



Derating diagram (6 modules in HC-B 24 housing)

Approvals

Approvals

Approvals

EAC / UL Recognized / CSA

Ex Approvals

Approval details

| | | | |
|-----|--|---|---------------------|
| EAC | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | 7500651.22.01.00246 |
|-----|--|---|---------------------|

| | | | |
|--------------------|-------|---|---------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E118976 |
| mm²/AWG/kcmil | 10 | | |
| Nominal current IN | 40 A | | |
| Nominal voltage UN | 600 V | | |

| | | | |
|--------------------|-------|---|-------|
| CSA | | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| mm²/AWG/kcmil | 10 | | |
| Nominal current IN | 33 A | | |
| Nominal voltage UN | 600 V | | |

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