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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-CT-M - 1414358


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Contact insert module, Number of positions: 3, Pin, Crimp connection, 690 V, 40 A, 1.5 mm² ... 10 mm², Application: Power



Key Commercial Data

| | |
|------------------------|---|
| Packing unit | 5 STK |
| Minimum order quantity | 5 STK |
| GTIN |  4 055626 025018 |
| GTIN | 4055626025018 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 43.1 mm |
| Width | 34.2 mm |
| Length | 14.6 mm |

Electrical characteristics

| | |
|-----------------------|---|
| Note | For HEAVYCON housing type B6 to B48, HC-M-B...MF... hinged module carrier frame required, CK4,0..... crimp contacts, crimp contacts not supplied as standard. |
| Rated voltage (III/3) | 690 V |
| Rated current | 40 A |
| Rated surge voltage | 6 kV |
| Connection profile | 3 |

Ambient conditions

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

Mechanical characteristics

| | |
|------------------------------|--|
| Conductor cross section | 1.5 mm ² ... 10 mm ² |
| Connection cross section AWG | 16 ... 8 |

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Technical data

Mechanical characteristics

| | |
|---|---|
| Stripping length of the individual wire | 9 mm (for 1.5 - 2.5 mm ²) |
| | 9.6 mm (for 4 mm ² ... 6 mm ²) |
| | 15 mm (for 10 mm ² /conductor ≥ 5 mm diameter) |
| | 18 mm (for 10 mm ² /conductor ≥ 6.4 mm diameter) |
| Wire diameter including insulation | 7.5 mm |
| Insertion/withdrawal cycles | ≥ 500 |
| Minimum housing height | 52 mm |

General

| | |
|--|--|
| Series | HC-M-03 |
| Color | light gray |
| Number of module slots | 1 |
| Connection method | Crimp connection |
| Connection in acc. with standard | IEC / EN |
| Flammability rating according to UL 94 | V0 |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Assembly instructions | Housing height ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage. |
| Connection | The CK4,0-EWZ tool (order no. 1662735) is required for removing the crimp contacts. At every "C" contact chamber, the position of the contact retaining springs is marked with two black markings on the connection side. From the connection side, the tool is pushed over the contact in a position-oriented manner, so that it touches both the retaining springs. Then insert it up to the limit stop. Do not turn the inserted tool. Push the conductor out of the insulating body along with the tool from the connection side. |

Material data

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

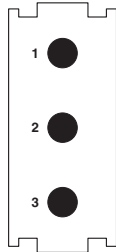
Standards and Regulations

| | |
|--|----------|
| Connection in acc. with standard | IEC / EN |
| Flammability rating according to UL 94 | V0 |

Drawings

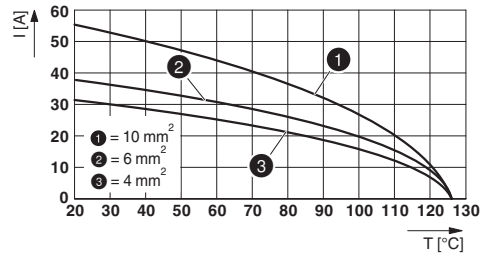
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Schematic diagram



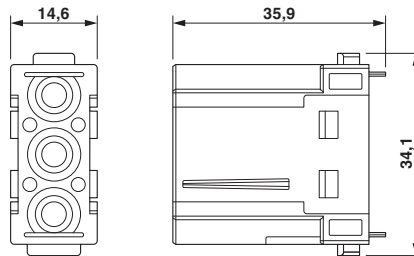
Connector pin assignment

Diagram



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

Dimensional drawing



Approvals

Approvals

Approvals

EAC / UL Recognized / CSA

Ex Approvals


Approval details

| | | |
|-----|--|---------------------|
| EAC | | 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 I _N | 42 A | | |
| Nominal voltage U _N | 600 V | | |

Contact insert module - HC-M-03-CT-M - 1414358

Approvals

| | | | |
|--------------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ | 13631 |
| | | | |
| mm ² /AWG/kcmil | | 10 | |
| Nominal current I _N | | 33 A | |
| Nominal voltage U _N | | 600 V | |

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